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Model L

Knight® by MIDMARK

Dental Lighting System

Service and Parts Manual

Serial Number Prefixes:
LL & PH

Model "L"

FOR USE BY MIDMARK
TRAINED TECHNICIANS ONLY

SF-1618

Part No. 004-0273-00 Rev. E (1/01/04)

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General Safety Instructions

Safety First: The primary concern of Midmark Corporation is that this dental lighting system is maintained with the safety of the patient and staff in mind. To assure that services and repairs are completed safely and correctly, proceed as follows:

(1) Read this entire manual before performing any services or repairs on this dental lighting system.

(2) Be sure you understand the instructions contained in this manual before attempting to service or repair this dental lighting system.

Safety Alert Symbols

Throughout this manual are safety alert symbols that call attention to particular procedures. These items are used as follows:

DANGER

A DANGER is used for an imminently-hazardous operating procedure, practice, or condition which, if not correctly followed, will result in loss of life or serious personal injury.

WARNING

A WARNING is used for a potentially hazardous operating procedure, practice, or condition which, if not correctly followed, could result in loss of life or serious personal injury.

CAUTION

A CAUTION is used for a potentially hazardous operating procedure, practice, or condition which, if not correctly followed, could result in minor or moderate injury. It may also be used to alert against unsafe practices.

EQUIPMENT ALERT

An EQUIPMENT ALERT is used for an imminently or potentially hazardous operating procedure, practice, or condition which, if not correctly followed, will or could result in serious, moderate, or minor damage to unit.

NOTE

A NOTE is used to amplify an operating procedure, practice or condition.

Warranty Instructions

Refer to the Midmark “Limited Warranty” printed in the Installation and Operation Manual for warranty information. Failure to follow the guidelines listed below will void the warranty and/or render the 355 Dental Lighting System unsafe for operation.

- In the event of a malfunction, do not attempt to operate the dental lighting system until necessary repairs have been made.
- Do not attempt to disassemble dental lighting system, replace malfunctioning or damaged components, or perform adjustments unless you are one of Midmark’s authorized service technicians.
- Do not substitute parts of another manufacturer when replacing inoperative or damaged components. Use only Midmark replacement parts.

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SECTION I
GENERAL INFORMATION

1.1 Scope of Manual

This manual contains detailed troubleshooting, scheduled maintenance, maintenance, and service instructions for Model L Dental Operating Lights. This manual is intended to be used by authorized service technicians.

1.2 How to Use Manual

A. Manual Use When Performing Scheduled Maintenance.

(1) Perform inspections and services listed in Scheduled Maintenance Chart (Refer to para 3.1).

(2) If a component is discovered to be faulty or out of adjustment, replace or adjust component in accordance with maintenance / service instructions (Refer to para 4.1).

B. Manual Use When Light Is Malfunctioning And Cause Is Unknown.

(1) Perform an operational test on Light (Refer to para 2.1).

(2) Perform troubleshooting procedures listed in Troubleshooting Guide (Refer to para 2.2).

(3) If a component is discovered to be faulty or out of adjustment, replace or adjust component in accordance with maintenance / service instructions (Refer to para 4.1).

C. Manual Use When Damaged Component Is Known.

(1) Replace or adjust component in accordance with maintenance / service instructions (Refer to para 4.1).

1.3 Description Of The Model L Dental Operating Light

A. General Description (See Figures 1-1 thru 1-9).

The Model L Light is designed specifically to provide shadow free daylight quality light to the oral cavity.

The Models L comes in seven configurations; a **unit** mounted light, a **universal** unit mounted light, a **concept LR** light, a **ceiling** mounted light, a **track** mounted light, a **long arm** wall/cabinet mounted light and a **short arm** wall/cabinet mounted light. See Figure 1-1.

The major serviceable components of the dental light are the **lighthead assembly** which includes light head housing, auto/on/off switch, composite switch, reflector, safety shield, bulb holder, bulb and shield, the **flex arm assembly** which includes the compression spring assembly, micro switch assembly, auto/on/off wire assembly, light cable assembly, and the **fixed arm assembly** which includes the intensity switch, intensity switch cable, light cable assembly and the **transformer assembly** which includes transformer and covers. See Figure 1-1.

Figure 1-2 illustrates the movement characteristics of all dental lights. The light head can rotate 360° on the horizontal plane and rotate at the yoke axis approximately 180°. The flex arm can rotate 300° and can move vertically 18.3" (71.9cm) as measured from the front of the light head. The Fixed arm can rotated 360° at the mounting points. Because

Figure 1-2 thru 1-9 illustrates the movement characteristics of the various configurations of the dental light. The **unit** mounted light, **universal** unit mounted light, and **concept LR** light, all rotate 360° at their mounting points (refered to as axis D). The **ceiling** light rotates 280° at axis D, constained by a stop mechanism. The **track** mounted light rotates 280° at axis D, constained by a stop mechanism, and travels 56.0" (142.2cm) along it's track. The **long arm** wall/cabinet mounted light rotates 360° at axis D, constained by the wall or cabinet. The **short arm** wall mounted light rotates 180° at axis D, constained by the wall or cabinet.

B. Theory of Operation (See Figure 5-1 for electrical schematic / wiring diagram)

Electrical:

The light has a 105, 115 and 125 volt transformer tap to allow operation over a line voltage range of 95 - 130 volts at a frequency of 50 or 60 hertz. Power Consumption is approximately 110 watts.

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SECTION I
GENERAL INFORMATION

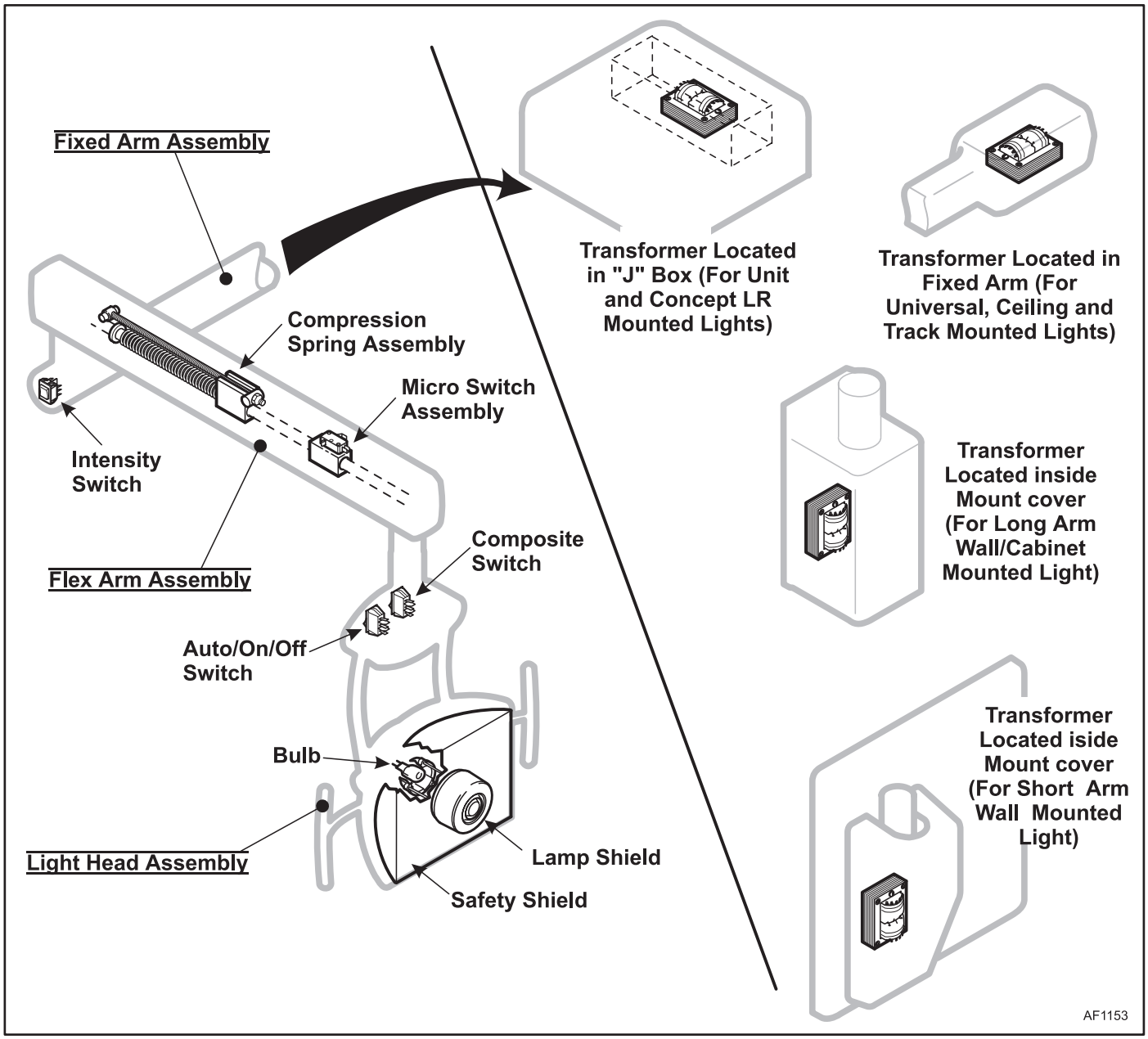
Fixed Arm Assembly
Compression Spring Assembly
Micro Switch Assembly
Intensity Switch
Flex Arm Assembly
Composite Switch
Auto/On/Off Switch
Bulb
Light Head Assembly
Lamp Shield
Safety Shield
Transformer Located in "J" Box (For Unit and Concept LR Mounted Lights)
Transformer Located in Fixed Arm (For Universal, Ceiling and Track Mounted Lights)
Transformer Located inside Mount cover (For Long Arm Wall/Cabinet Mounted Light)
Transformer Located iside Mount cover (For Short Arm Wall Mounted Light)
AF1153

Figure 1-1. Major Components

A three position rocker switch is provided for the selection of secondary voltages for the bulb. The three positions are labeled high, medium and low corresponding to the three intensities produced.

A two position rocker switch is provided for the selection of "Operate" or "Composite" color temperature ranges.

A three position rocker switch is provided for the light AUTO/ON/OFF. This three position switch controls the bulb voltage but not the line voltage. The AUTO switch position provides the operator with the ability to control the on/off function by moving the light head up and down. The ON/OFF positions override the auto switch and turns the light on or off.

The transformer is continuously energized unless power is removed by unplugging the light , or by actuating a separate wall switch wired for that purpose. The transformer contains an automatically resetting thermal protector.

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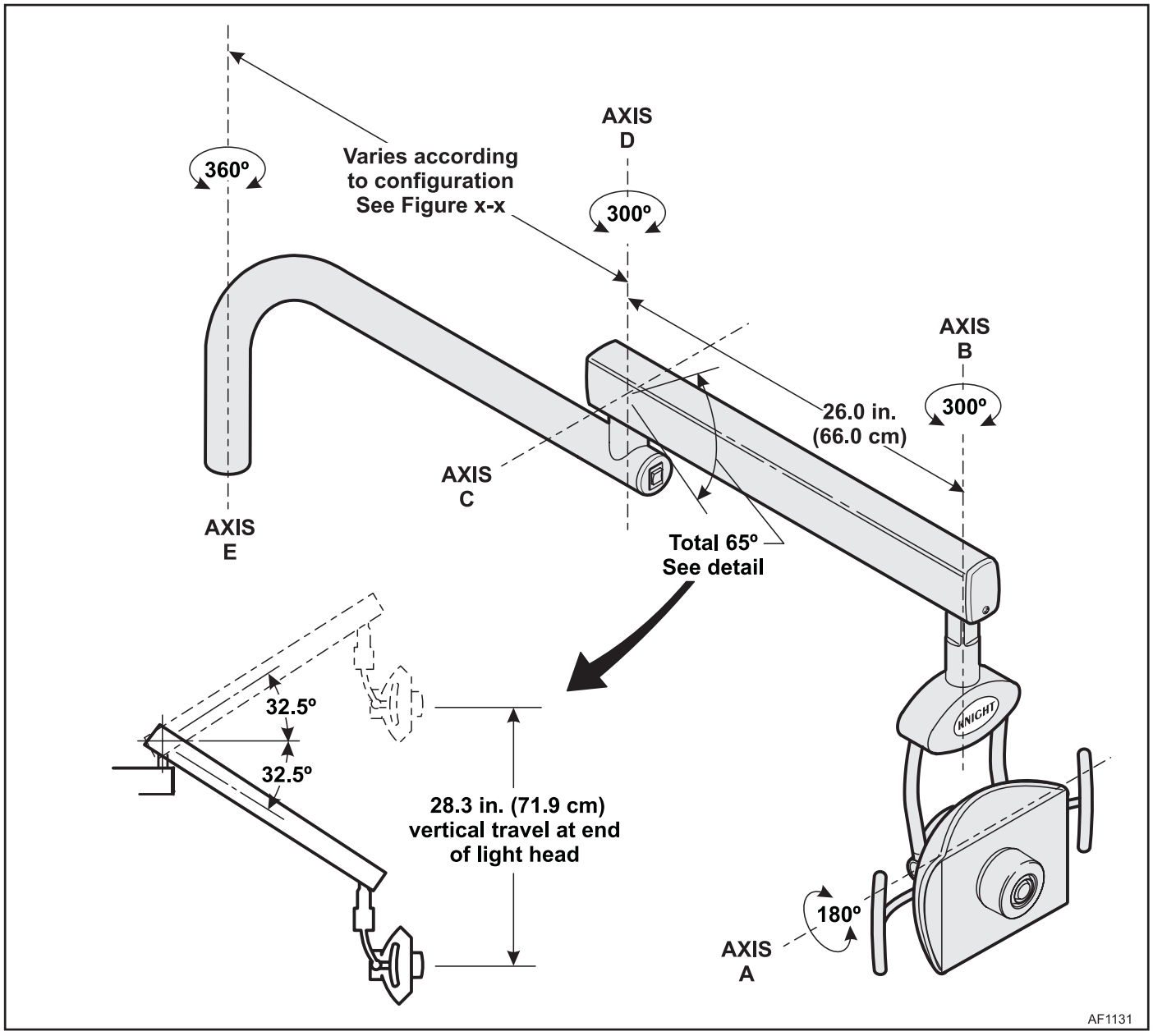

Figure 1-2. General Movement Characteristics

Optics

The color temperature of the light is 5250 degrees kelvin nominally. Due to manufacturing tolerances, a variation of 750 degrees kelvin from nominal is permitted. Color correction is accomplished by a front surface dichroic coating. This coating is able to withstand the normal abrasion which results from routine cleaning for a period of at least 5 years. Routine cleaning of the reflector is to be done with soft facial tissue and denatured alcohol on a bi-weekly basis.

The reflector is approximately 9 in. wide and 8 in. high and is made of borasilicate glass. It contains 4576 facets to yield maximum uniformity of intensity within the pattern, and to reduce the production of shadows. The light pattern at focus is approximately 8 in. wide and 3 in. high and oval shaped. To minimize eye fatigue, the intensity of the light falls off gradually starting at the edge of the pattern (feathered). The intensity, 3 inches from the horizontal axis of the pattern, is less than 5% of the intensity on the axis. This prevents high intensity light from striking the patient's eye.

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SECTION I
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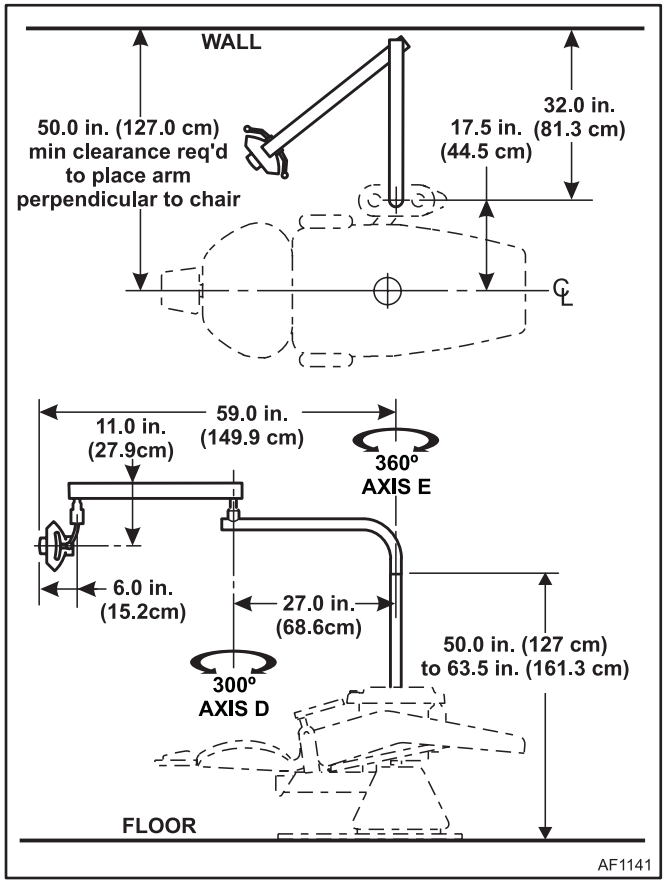

Figure 1-3. Movement Characteristics - Unit Mounted Light

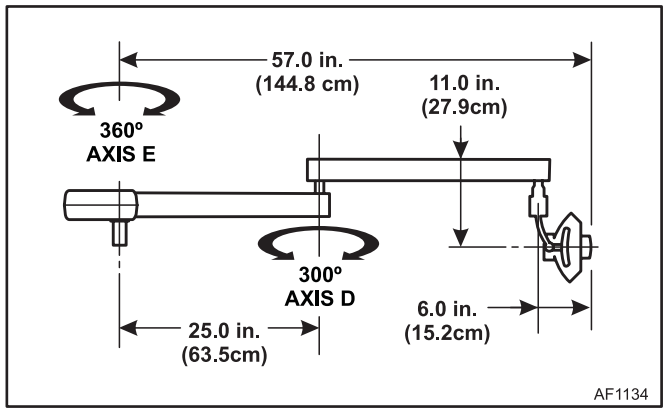

Figure 1-4. Movement Characteristics - Universal Unit Mounted Light

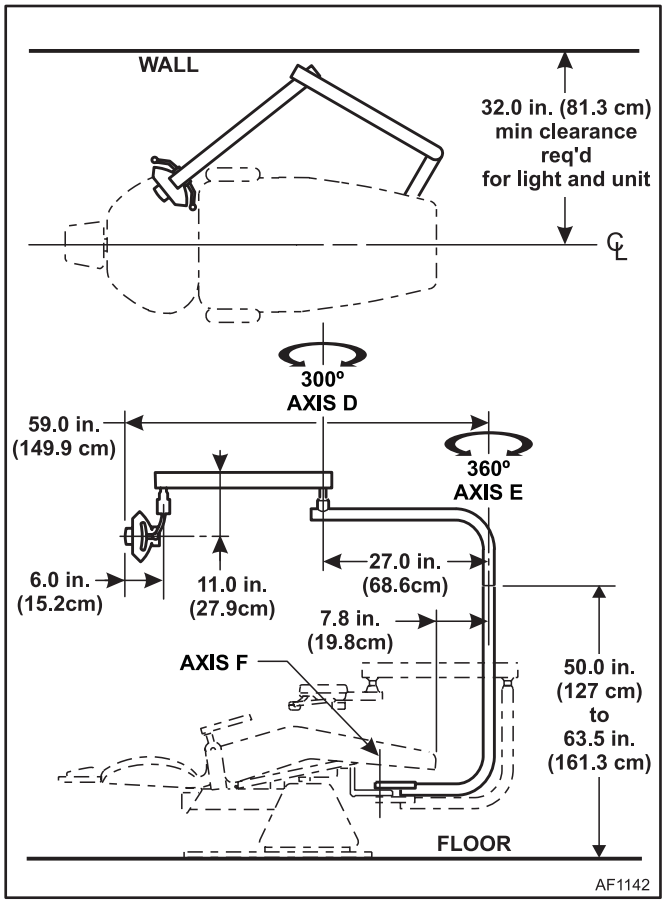

Figure 1-5. Movement Characteristics - Concept LR Unit Mounted Light

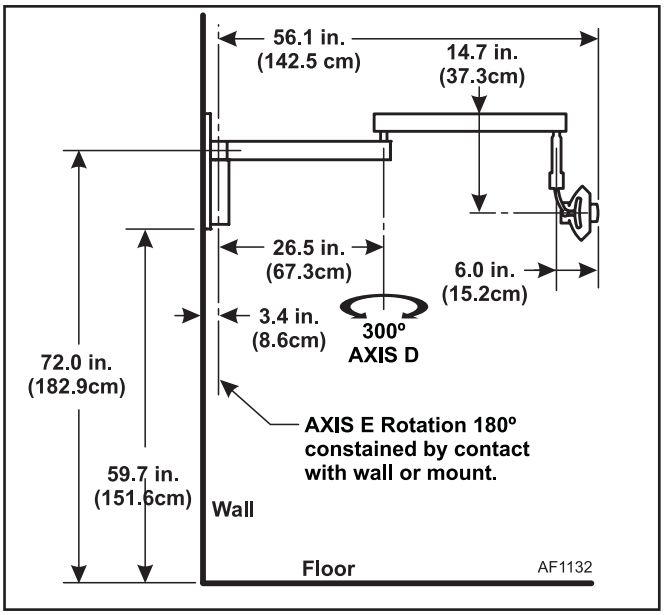

Figure 1-6. Movement Characteristics - Short Arm Wall Mounted Light

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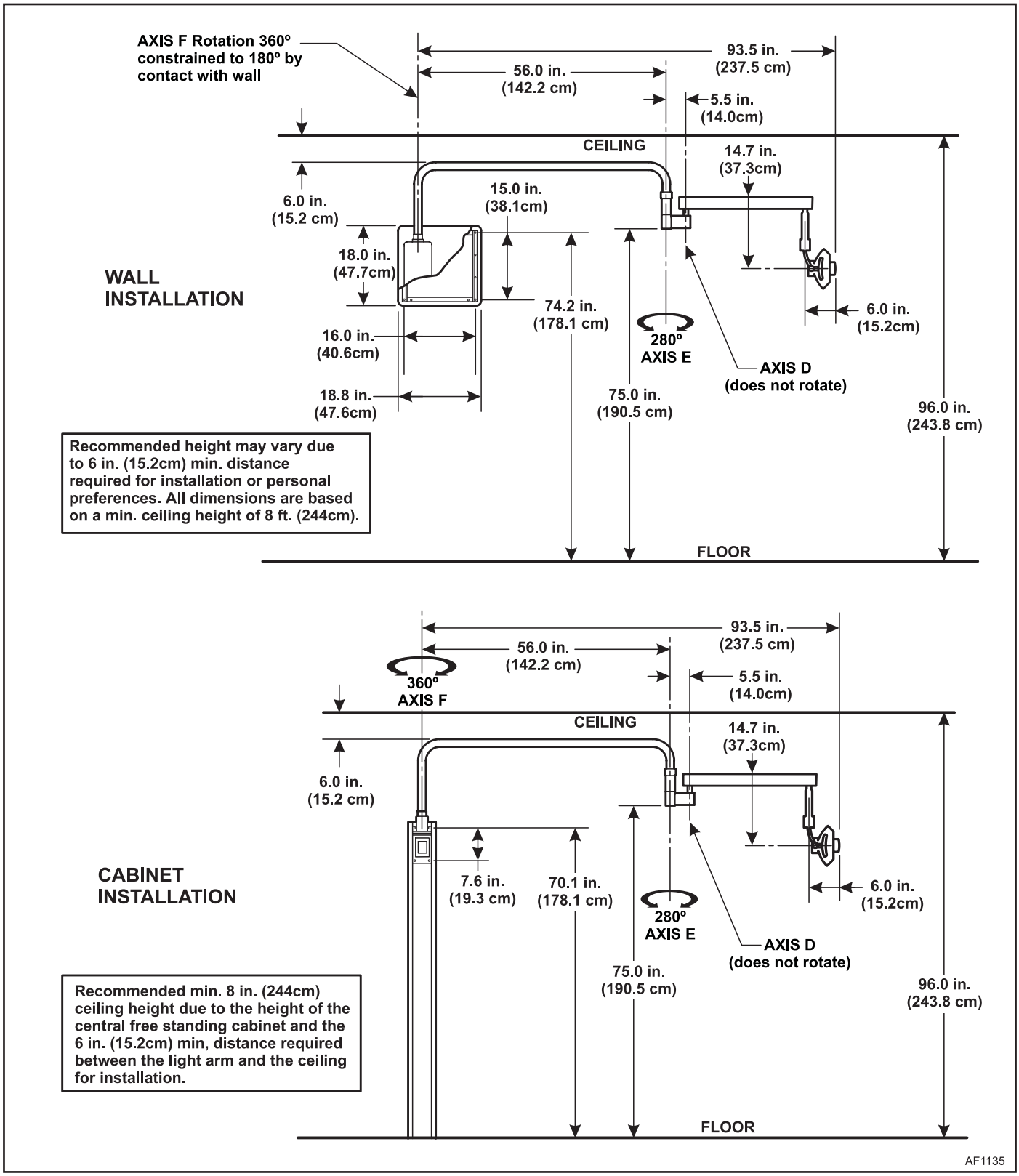

Figure 1-7. Movement Characteristics - Long Arm Cabinet/Wall Mounted Light

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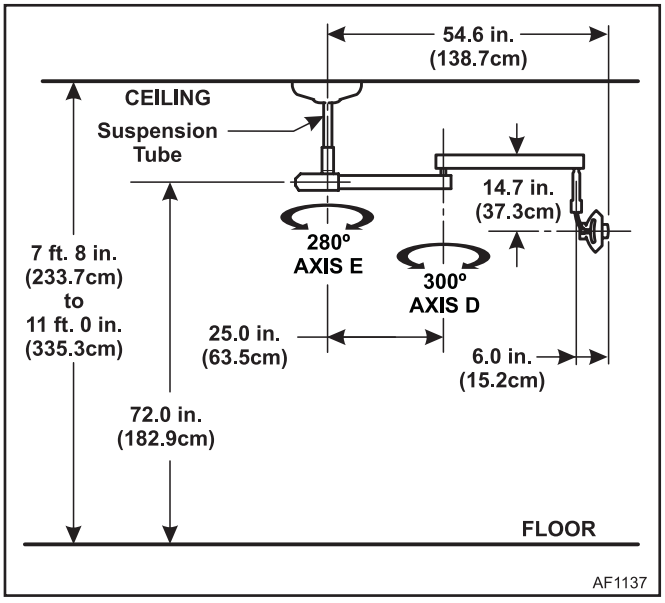

Figure 1-8. Movement Characteristics - Ceiling Mounted Light

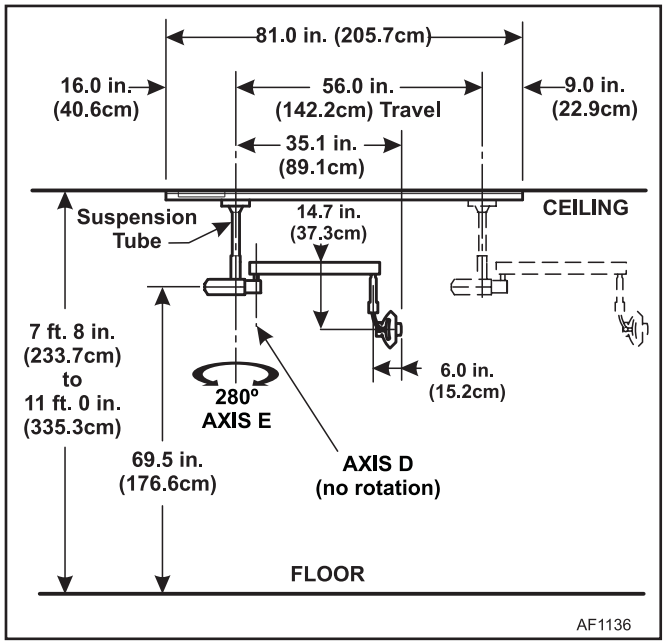

Figure 1-9. Movement Characteristics - Track Mounted Light

1.4 Specifications

Factual data for Model L Dental Operating Lights is provided in Table 1-1.

Table 1-1. Specifications

Description	Data
Weight With Shipping Carton:	
All Unit Lights	40 lb (18.2 kg)
Ceiling Light	58 lb (26.4 kg)
Track Light	41 lb (18.6 kg)
Track (shipped separate)	26 lb (11.8 kg)
Tripod (shipped separate)	67 lb (30.5 kg)
Shipping Carton:	
All Lights	41 in. "L" x 29 in. "W" x 14 in. "H" (104 cm x 74 cm x 36 cm)
Track	82 in. "L" x 8 in. "W" x 8 in. "H" (208 cm x 20 cm x 20 cm)
Tripod	15 in. "L" x 15 in. "W" x 6 in. "H" (38 cm x 38 cm x 15 cm)
Electrical Requirements:	
Line Voltage 120 VAC	105 - 130 VAC, 60-50 HZ, 1.5 amp, single phase
Recommended Circuit:	A separate (dedicated) circuit is recommended for this unit. The unit *should not* be connected to an electrical circuit with other appliances or equipment unless the circuit is rated for the additional load.
Optical:	
Color Temperature:	4500 - 6000 Degrees Kelvin
Nominal Intensity:	1500, 2000, 2500 Footcandles at focal length of 36 inches 2100, 2700, 3300 Footcandles at focal length of 27 inches
Focal Length Range:	24 - 42 Inches
Lens:	
Size:	8.735 x 9.375 Inches
Coating:	Front Surface Dichroic
Shadow Reduction:	2576 Facets
Nominal Pattern Size:	3 x 8 Inches Feathered Edge
Bulb:	
Base Type	2 Pin Prefocused
Filament:	C - 6 Oval
Size:	G 6.35
Median Life:	1200 Hours (1-3 yrs)
Output:	1700 Lumens Minimum
Color Temperature:	2950 Degrees Kelvin
Type:	Tungsten Halogen
Wattage:	Approximately 95 Watts, 17.3 Volts

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1.5 Parts Replacement Ordering

If a replacement part is required, order the part directly from the factory as follows:

(1) Refer to Figure 1-10 thru 1-15 (shown on following pages) to determine the location of the model number and serial number of the unit and record this data.

(2) Refer to the Parts List to determine the item numbers of the parts, part numbers of the parts, descriptions of the parts, and quantities of parts needed and record this data (Refer to para 6.1).

(3) Determine the installation date of the unit and record this data.

(4) Call Knight with the recorded information and ask for the Technical Services Department or use the Fax Order Form (See page 7-2 for Fax Order Form).

Special Tools

Table 1-2 lists all of the special tools needed to repair the lighting system, how to obtain the special tools, and the purpose of each special tool.

Table 1-2.

Description of Special Tool	Manufacturer's Name / Address / Phone	Manufacturer's Part Number	Purpose of Special Tool
Multimeter	Commercially Available	Any Type	Used to perform continuity and voltage checks.
Torque Wrench	Commercially Available	Any Type	Used to tighten nuts or screws to specified values.

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SECTION I
GENERAL INFORMATION

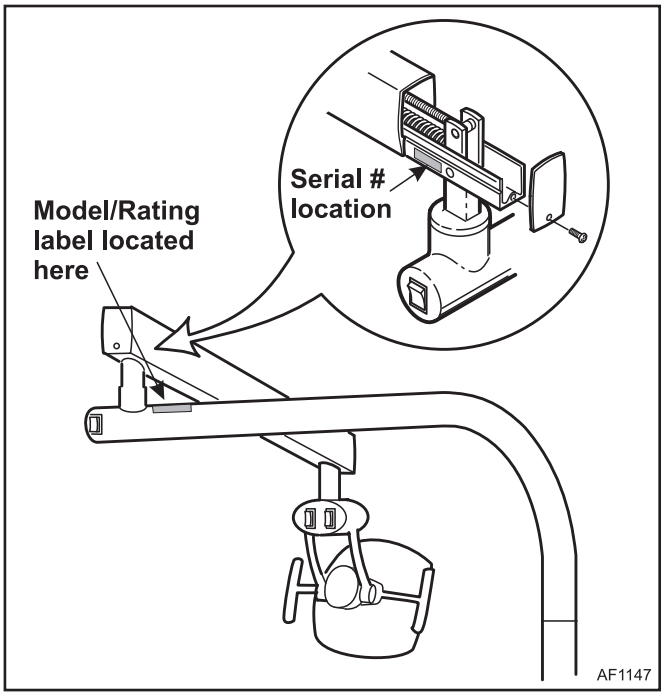

Figure 1-10. Model Number / Serial Number Location Unit Mounted Light and Concept LR Light

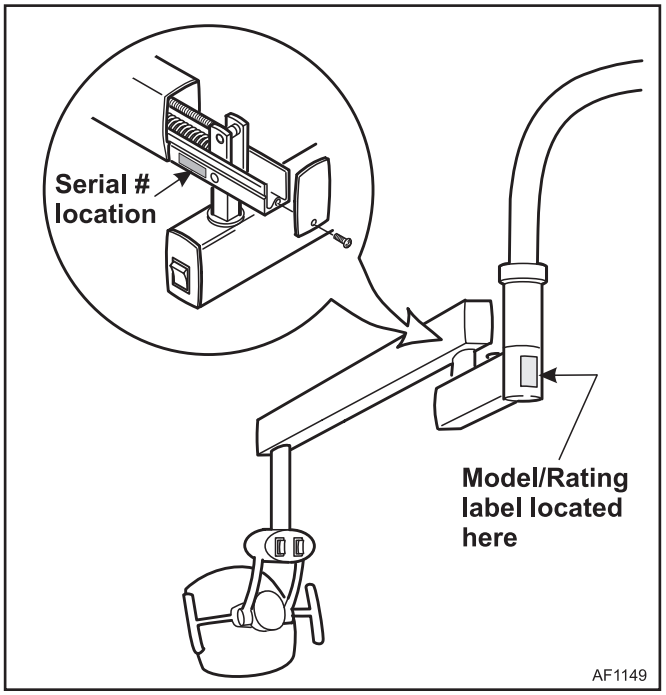

Figure 1-12. Model Number / Serial Number Location Wall/Cabinet Mouted Light

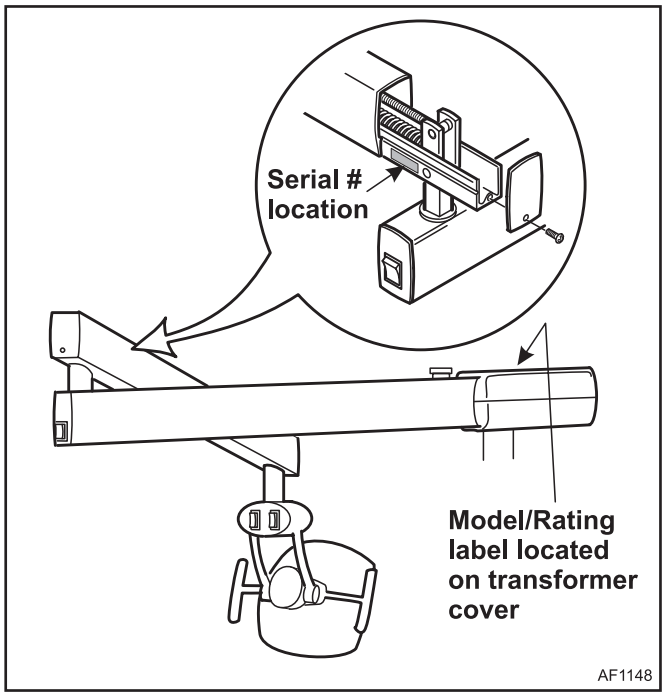

Figure 1-11. Model Number / Serial Number Location Universal Unit Mouted Light

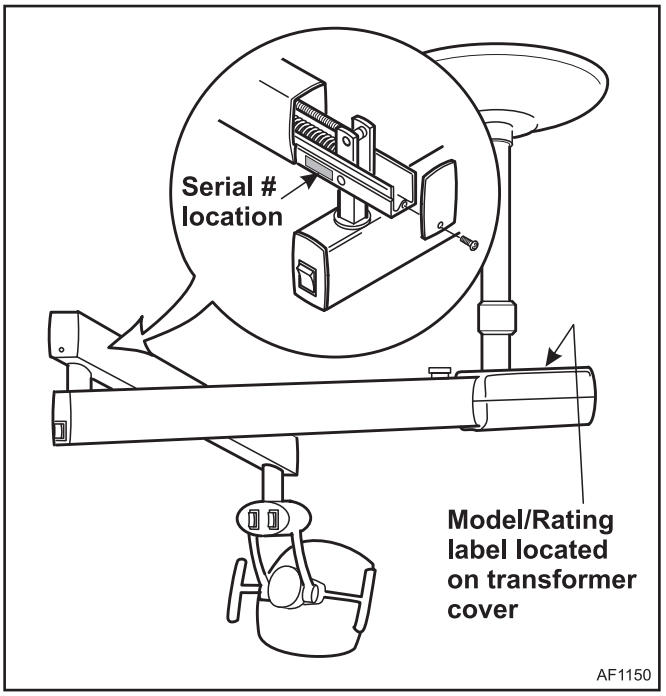

Figure 1-13. Model Number / Serial Number Location Ceiling Mouted Light

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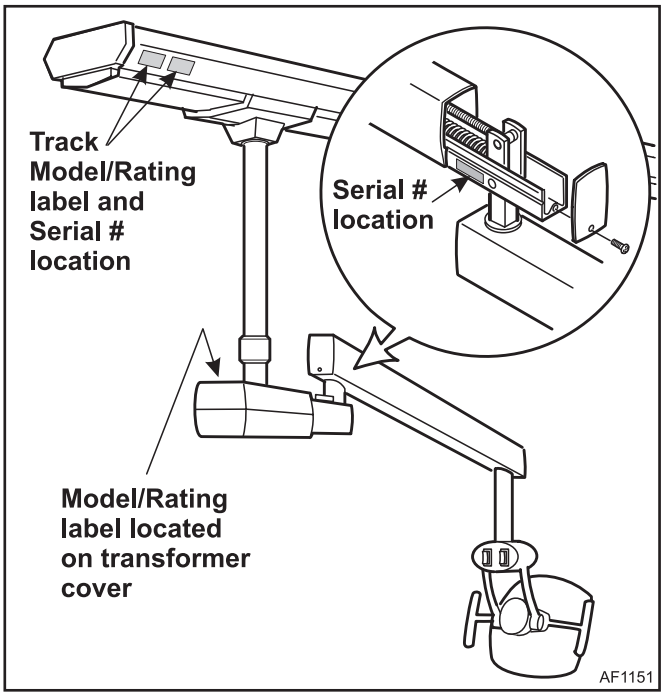

Figure 1-14. Model Number / Serial Number Location
Track Mouted Light

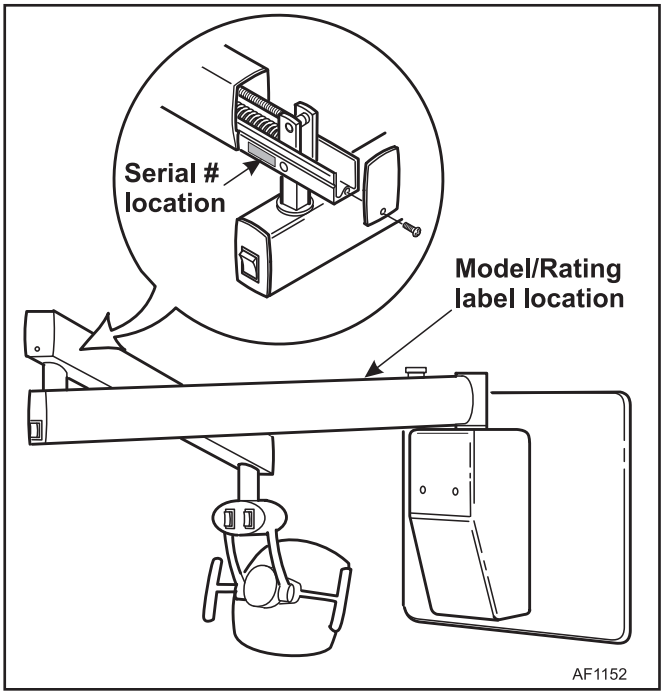

Figure 1-15. Model Number / Serial Number Location
Wall Mouted Light (Short Arm)

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GENERAL INFORMATION

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SECTION II
TESTING AND TROUBLESHOOTING

2.1 Operational Test (See Figure 2-1 & 2-2)

In order to effectively diagnose the malfunction of the dental light, it may be necessary to perform an operational test as follows:

WARNING
Refer to the Operator Manual for complete instructions on operating the dental light. Failure to do so could result in personal injury.

NOTE
The Operational Test, for the most part, only describes what should happen when the dental light is operated. If the dental light does something other than described refer to the Troubleshooting Guide to determine the cause of the problem and its correction.

(1) Move the OPERATE/COMPOSITE switch to the OPERATE position and then move the THREE POSITION SWITCH to the AUTO ON position.

(2) ***Observe.*** Lift the light up until it shuts off. As the light is lifted up and out of the operating position, a limit switch in the arm automatically turns the light off.

(3) ***Observe.*** Lower the light into operating position. The light should come on as it is lowered.

(4) Move the THREE POSITION SWITCH to the ON position.

(5) ***Observe.*** The light will remain ON in what ever position it is placed.

(6) Move the THREE POSITION SWITCH to the OFF position.

(7) ***Observe.*** The light will remain OFF in what ever position it is placed.

(8) With the light on, move the INTENSITY SWITCH through all three positions (See Figure 2-1).

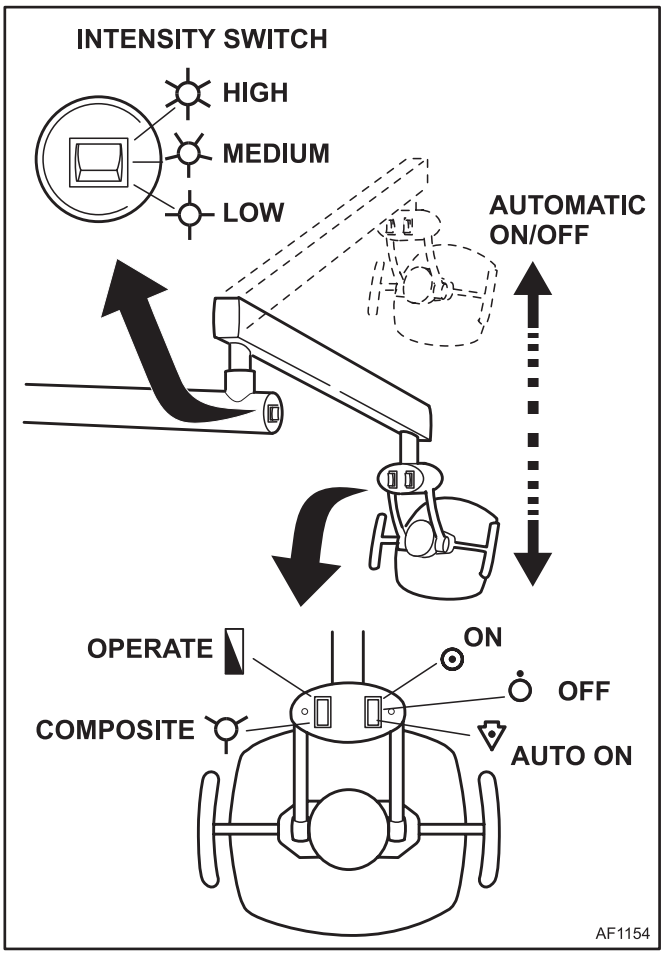

Figure 2-1. Light Head Switches

(9) ***Observe***. The intensity of the light should change from low to medium to high as you move the switch to these positions.

(10) Move the OPERATE/COMPOSITE switch to the COMPOSITE position (See Figure 2-1) and repeat steps 8 and 9.

(11) Observe. The COMPOSITE position provides the operator with reduced color temperature lighting (dimmer light) for working with photo-sensitive composites. The INTENSITY SWITCH positions have no effect.

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SECTION II
TESTING AND TROUBLESHOOTING

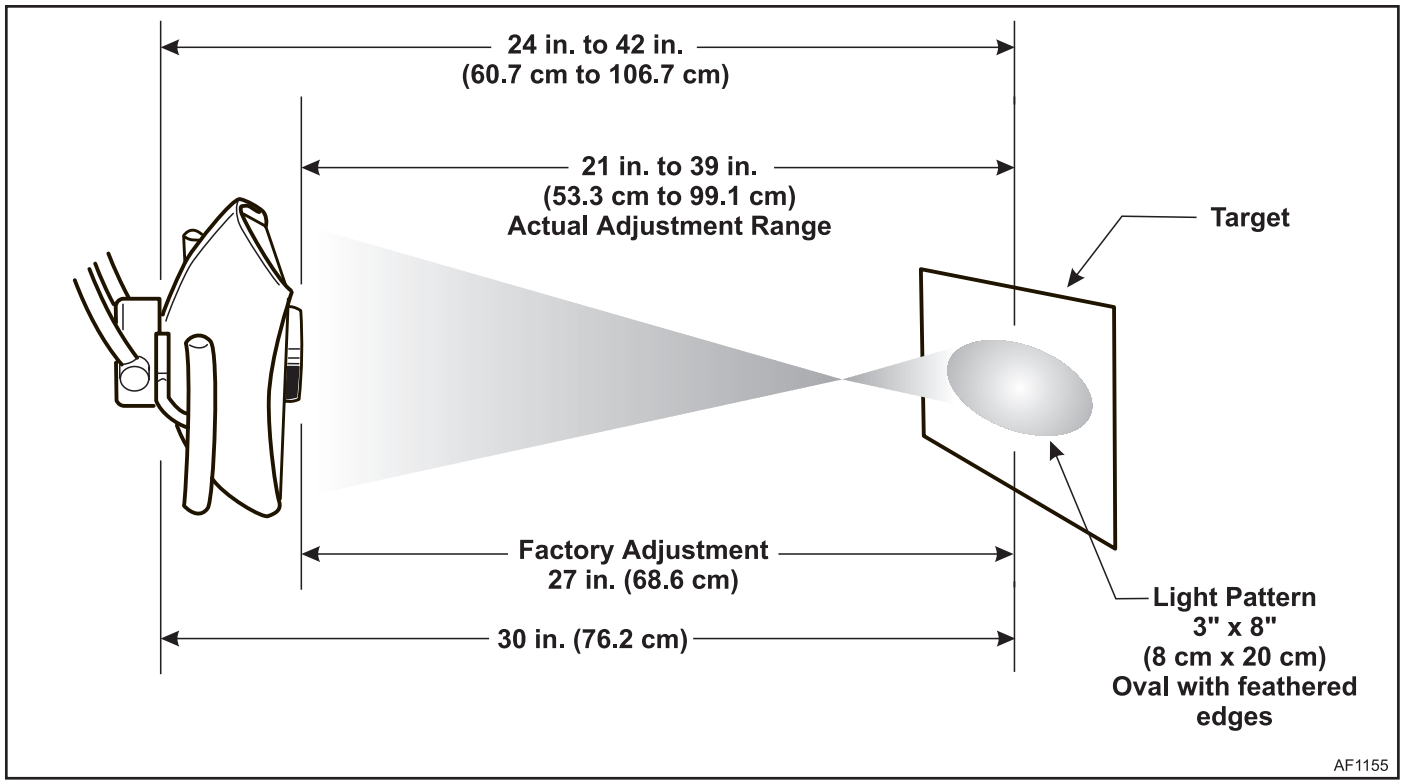

Figure 2-2. Light Pattern Dimensions

(12) Position the light 21 to 39 inches (53 to 99cm) from a target (wall, chair back, etc.) and move the OPERATE/COMPOSITE switch to the OPERATE position. Move the THREE POSITION SWITCH to the ON position (See Figure 2-2).

(13) ***Observe.*** The light should present a nominal pattern size of approximately 3 x 8 inches (8 x 20cm), oval in shape, with feathered edges.

(14) While the light is on, test the movement of the light by rotating the light at its various axis (Refer to Figure 1-2).

A. Rotate the light head assembly 180° around Axis A several times.

B. Rotate the light head assembly 300° around Axis B several times.

C. lift the flex arm assembly up and down vertically at Axis C several times.

D. Rotate the flex arm assembly 300° around Axis C several times.

(15) ***Observe.*** The light should not “flash” intermittently or stop illuminating when the lighthead assembly is rotated. Also, the lighthead assembly and /or flex arm assembly should not take excessive force to rotate, or coast when released.

(16) Test the movement of the **unit, universal, ceiling** or **wall/cabinet** mounted light at the mounting location by rotating the fixed arm at Axis D. (Refer to Figures 1-3 thru 1-9).

(17) ***Observe.*** The light should not “flash” intermittently or stop illuminating when the fixed arm assembly is rotated. Also, the fixed arm assembly should not take excessive force to rotate, or coast when released.

(18) Test the movement of the **track** mounted light at the mounting location by moving the light along the length of the track several times, Rotating the light 300° around Axis D several times (Refer to Figure 1-9).

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(19) Observe. The light should not “flash” intermittently or stop illuminating. Also, the fixed arm assembly **should not** rotate at Axis C, but should rotate at Axis D. Also, the assembly should not take excessive force to rotate, or coast when released.

2.2 Table 2-1 is a Troubleshooting Guide which is used to determine the cause of the malfunction.

Table 2-1. Troubleshooting Guide

Problem	Symptom	Probable Cause	Check	Correction
Light will not illuminate.	After performing the Operational Test (Para 2.1), Light will not illuminate when the ON/OFF/AUTO switch is in the ON or AUTO position.	Halogen bulb is burned out.	Replace suspect halogen bulb.	Replace the halogen bulb. Refer to Para 4.2
		ON/OFF/AUTO switch in the light head assembly is defective.	Check continuity of switch.	Replace defective switch. Refer to Para 4.3
		COMPOSITE/ OPERATE switch in the light head assembly is defective	Check continuity of switch.	Replace defective switch. Refer to Para 4.3
		Main ON/OFF switch in the junction box is off or defective.	Check to make sure the switch is on. If not, check continuity of switch.	Replace defective switch. Refer to Para 4.3. If there is no power to the switch, the facilities circuit breaker may be tripped.
		Facility circuit breaker providing power to the unit is tripped.	Check to see if facility circuit breaker for unit is tripped.	If the facility circuit breaker is tripped, determine what caused the circuit breaker to trip, correct the problem, and then reset it / replace the circuit breaker.
		Line fuse located in the junction box is blown.	Perform a continuity check on the line fuse.	Replace the line fuse.
		Torn, broken, or disconnected wire between the lamp socket and the ON/ OFF/AUTO switch.	With a good bulb installed, perform a continuity test from the center terminal of the ON/OFF/ AUTO switch (gray wire) to the gray and white wire connection in the head. Refer to Para 4.5.A.	Replace or repair any torn, broken or disconnected wires in the light head or replace lamp socket. Refer to Para 4.4.
		Bulb socket is corroded resulting in a bad connection.	Clean the bulb socket or replace it.	Replace lamp socket. Refer to Para 4-4.
		Torn, broken, or disconnected wire between the transformer and the light head.	Perform a continuity test from the Transformer to the light head. Refer to Para 4.5.	Replace or repair any torn, broken or disconnected wire in the light head, arm, console or umbilical.
		Transformer is malfunctioning (If transformer is hot go to next symptom).	Check to see that all connections to the transformer are good. Perform an AC voltage check on the primary side. Check for line voltage. Refer to Para 4.6.	Repair any bad connections to the transformer. If line voltage is not present, see previous probable causes (Main ON/ OFF, Facility circuit,Line fuse).

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Table 2-1. Troubleshooting Guide - Continued

Problem	Symptom	Probable Cause	Check	Correction
			Perform an AC voltage check on the secondary side. Check across the white common on terminal (C1 or C2) and the four other terminals. Refer to Para 4.6. (Voltage will be higher due to a no load condition).	If voltages are not present, transformer is defective. Replace transformer.
	Light will not illuminate when the ON/OFF/AUTO switch is in the ON or AUTO position (transformer is hot).	The transformer thermal cutoff has been activated.	Turn off power to the transformer and allow it to cool to reset the thermal cutoff. Disconnect the wire on the secondary side of the transformer. Check continuity across the primary side of the transformer. Refer to Para 4.7.	If the primary remains open, replace the transformer.
			After the thermal cut off has reset, put the black wire on the transformer and apply power.	If the transformer starts to get hot, replace the transformer.
			If the transformer does not get hot, plug the wires back into the secondary side of the transformer.	If the transformer starts to get hot, there is a short in the light assembly. Perform a continuity test on the light arm. Refer to Para 4.8.
				If the transformer does not get hot there is an intermitting short in the light assembly. Inspect cables and light socket for exposed wire.
	Light will not illuminate or flashes intermittently when the light head or arms are moved.	There is an intermitting short, torn, broken or disconnected wire within the light head or arms.	Perform a continuity check on all cable connections. Refer to Para 4.8. and Section V for the appropriate schematic.	Replace or repair any shorted, torn, broken or disconnected wire within the light head or arms.
Light will not illuminate in one or more of the lights switched position.	Missing all of the light INTENSITY switch positions, high, medium, low when the COMPOSITE/ OPERATE SWITCH is in the OPERATE position, but the COMPOSITE position works.	Intensity switch is defective.	Intensity switch is defective. Perform a continuity check on the switch. Refer to Para 4-8.	Replace defective switch.
		There is a torn, broken, or disconnected wire between the Intensity switch and the composite-operate switch.	Perform a continuity test from the wire going from intensity switch to the head to the black wire, center terminal of the composite-operate switch. Refer to Section V for the appropriate schematic.	Replace or repair any torn, broken or disconnected wire within the light head or arms.

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Table 2-1. Troubleshooting Guide - Continued

Problem	Symptom	Probable Cause	Check	Correction
	Missing one or more of the INTENSITY switch positions, high medium or low when the COMPOSITE/ OPERATE switch is in the OPERATE position, but the composite positions works.	Intensity switch is defective.	Perform a continuity check on the switch. Refer to Section V for the appropriate schematic.	Replace defective switch.
		There is a torn, broken, or disconnected wire between the Intensity switch and the transformer.	Perform a continuity test from the black wire pin 1 to the black of the intensity switch. Repeat the test for the orange wire pin 2 to the green wire at the intensity switch. Repeat the test for the red wire pin 3 to the red wire of the intensity switch. Refer to the Illustrations in Para 4.8. & Section V for the appropriate schematic.	Replace or repair any torn, broken or disconnected wire within the light head or arms.
	There is no illumination when the COMPOSITE/ OPERATE switch is in the COMPOSITE position. The INTENSITY switch positions high, medium or low work when the COMPOSITE/OPERATE switch is in the OPERATE position.	COMPOSITE/OPERATE switch in the light head is defective.	Perform a continuity check on the switch.	Replace defective switch.
		There is a torn, broken, or disconnected wire between the transformer and the composite-operate switch in the light head.	Disconnect power supply. Perform a continuity test from the brown wire at the transformer to the red wire in the light head. Refer to the Illustrations in Para 4.5. & 4.7.	Replace or repair any torn, broken or disconnected wire within the light head, arms, console or umbilical.
	Light will not illuminate when the ON/OFF/AUTO switch is in the AUTO position and the light is lower into position. The light operates normally when the ON/OFF/AUTO switch is in the ON position.	ON/OFF/AUTO switch in the light head is defective.	Perform a continuity check on the switch.	Replace defective switch.
		The auto micro switch in the flex arm is defective or misaligned.	Check the switch to see if it activates when the flex arm is lowered. Perform a continuity check on the switch.	Adjust switch. Refer to Para 4-12. Replace if defective.
		There is a torn, broken, or disconnected wire between the auto micro switch in the flex arm and the composite-operate switch or the on-off-auto switch in the light head ASSEMBLY.	Perform a continuity test from the black wire of the on-off-auto switch to the micro switch and the micro switch to the black wire, center terminal of the composite-operate switch.	Replace or repair any torn, broken or disconnected wire within the light head or arms.

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Table 2-1. Troubleshooting Guide - Continued

Problem	Symptom	Probable Cause	Check	Correction
Light head will not remain in position.	When repositioned the light head, it drifts or falls downward at the axis where the handles are connected.	The light head rotation is out of adjustment.	Remove the cover on the back of the light head and examine the hardware that holds the light head in position. Refer to Para 4-9.	Adjust the light head rotation tension. Refer to Para 4-9.
		If the light head rotation can not be adjusted, the adjustment wave washer may be worn or broken.	Remove the cover on the back of the light head and examine the hardware that holds the light head in position. Refer to Para 4-9.	Replace the wave washer. Refer to Para 4-10.
Light flex arm will not stay in position.	When repositioned the flex arm, it drifts or falls downward at the axis the flex arm and fixed arm.	The flex arm tension is out of adjustment and there is not enough tension on the compression spring to overcome the weight of the light arm and head.	Remove the arm cover and examine the tension spring and associated hardware for damage. Refer to Para 4-11.	Adjust the flex arm tension. Refer to Para 4-11.
Incorrect light pattern or intensity.	Light is too dim.	Switches may be set in the wrong position	Check the position of each switch.	Perform the Operational Check. Refer to the owner's manual or Refer to Para 2-1 in this manual.
		Dirt on reflector and/or reflector shield.	Check the surface of the reflector and shield.	Clean the reflector and shield. Refer to Para 4.2.B.
	Light is to pattern is wrong size or irregular.	The light is out of focus.	Check the light pattern. Refer to Para 4-13.	Adjust the light head focus. Refer to Para 4-13.

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SECTION III
SCHEDULED MAINTENANCE

3.1 Scheduled Maintenance

Table 3-1 is a Scheduled Maintenance Chart which lists the inspections and services that should be performed periodically on the Model L dental lighting system. These inspections and services should be performed as often as indicated in the chart.

Table 3-1. Scheduled Maintenance

Interval	Inspection or Service	What to Do
Semi-annually	Obvious damage	Visually check condition of lighting system for obvious damage such as: cracks in components, missing components, dents in components, or any other visible damage which would cause the lighting system to be unsafe to operate or would compromise its performance. Repair lighting system as necessary.
	Fasteners / hardware	Check lighting system for missing or loose fasteners / hardware. Replace any missing hardware and tighten any loose hardware as necessary.
	Warning and instructional decals	Check for missing or illegible decals. Replace decals as necessary.
	Light Mount	Check the rigididity of the ceiling, track, or wall for stability and sturdiness. Strengthen supports if necessary and tighten any loose bolts. Check to see if the light fixed arm is level. If not, level the the light at the mount.
	Surface cleaning	**Painted surfaces** - Wipe the painted surfaces of your Model L Light with a damp cloth. **Reflector** - Use a clean, soft tissue dampened with denatured alcohol and gently wipe the surfaces of the reflector. **Reflector cover** - Use a clean, soft tissue dampened with denatured alcohol and gently wipe both sides of the reflector cover, taking care not to scratch the surface. Refer to para 4.2.B.
	Integrity of wiring and / or connections	Move each axis thru its full range of motion while observing the light beam for intermittent flickering or light beam going out completely. Repair wiring or wiring connections as necessary.
	Rotation of all axis	Check each axis to ensure ease of movement and positioning with no drifting after being released. Make sure each axis cannot rotate more than is specified in Section I. If so, replace pivot stops / pivot bearing stops as necessary.
	Operational Test	Perform an Operational Test to determine if the light is operating within its specifications. Refer to para 2.1. Replace or adjust any malfunctioning components.

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SECTION IV
MAINTENANCE / SERVICE INSTRUCTIONS

4.1 Introduction

WARNING
Refer to the Operator Manual for complete instructions on operating the dental light. Failure to do so could result in personal injury.

NOTE
Perform an operational test on the dental light after the repair is completed to confirm the repair was properly made and *all* malfunctions were repaired.

The following paragraphs contain removal, installation, repair, and adjustment procedures for the dental light.

4.2 Halogen Bulb Removal / Replacement

A. Removal

WARNING
Always disconnect all electrical power to the unit before removing any of the unit's access panels or making any repairs to prevent the possibility of electrical shock. Failure to comply with these instructions could result in serious personal injury or death.

(1) Disconnect electrical power to the light.

(2) Remove the lamp shield (1) and reflector cover (2) by pushing in and turning the lamp shield **counter clockwise** (3) (See Figure 4-1).

CAUTION
Bulb may be HOT! Always allow bulb to cool for 4-5 minutes before attempting to remove.

CAUTION
Install the bulb without removing its protective plastic cover. Finger marks left on the bulb glass during installation will reduce the bulb life. If the bulb is accidentally handled, wipe it clean immediately with denatured alcohol.

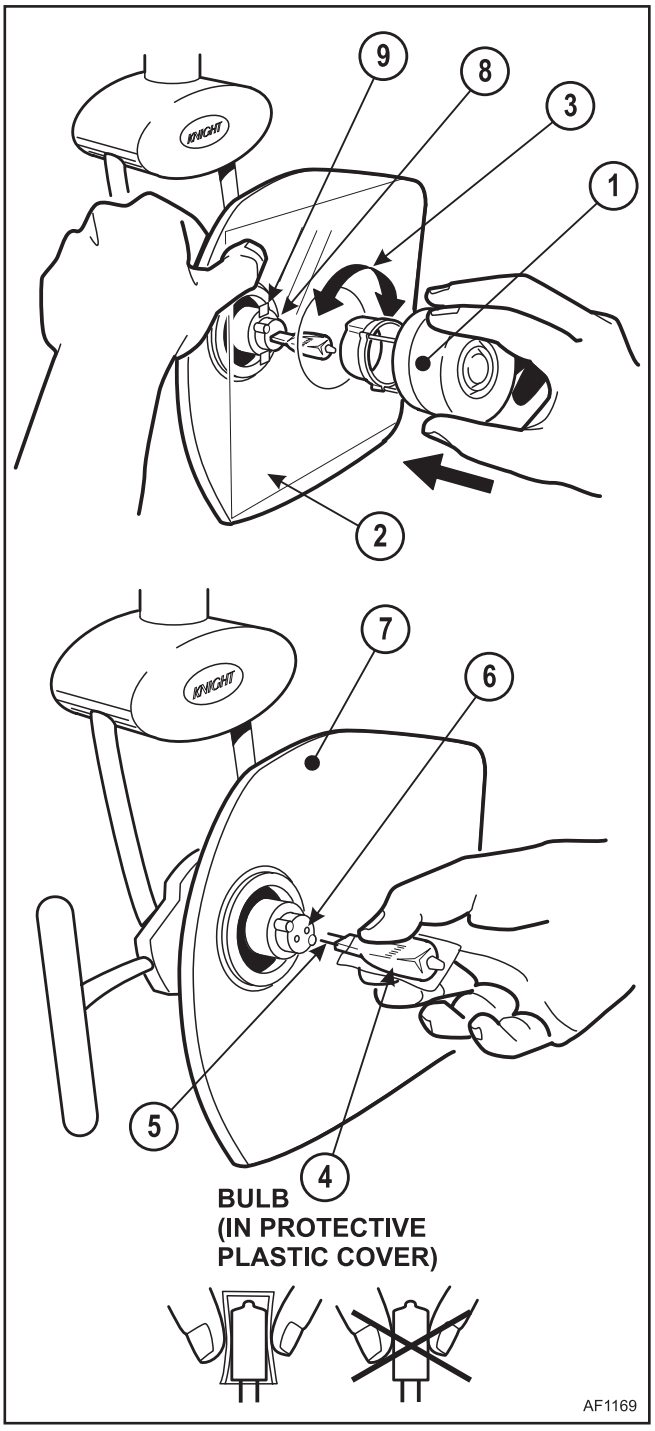

Figure 4-1. Halogen Bulb Removal/Replacement

(3) Remove the bulb (4) by pulling straight out.

B. Installation

(4) Use a clean, soft tissue dampened with denatured alcohol and gently wipe the surfaces of the reflector (7).

(5) Use a clean, soft tissue dampened with denatured alcohol and gently wipe both sides of the reflector cover (2), taking care not to scratch the surface.

EQUIPMENT ALERT
Do not use solvents, abrasive cloths or cleaners, as they may damage the coating surface of the reflector and the reflector cover.

(6) To install the new bulb, align the contact pins (5) with the socket holes (6) and press the bulb in firmly.

(7) Place the reflector cover (2) in position over the reflector (7). Insert the lamp shield (1) through the hole in the reflector cover (2) and onto the lamp socket (8) while aligning the locking tabs (9). Push in and turn the lamp shield approximately 1/8-turn **clockwise** (3) to lock in place.

DANGER
Do not operate the light without the plastic reflector cover (2) in place. Operating the light without the cover could result in personal injury.

4.3 Light Head Switch Removal / Installation

NOTE
Compare your light wiring configuration and serial number with the illustration in Figures 4-2 and follow either procedure 1 or 2 accordingly.

Procedure #1 (for configuration #1)

A. Removal

(1) Disconnect electrical power to the light.

(2) Remove the light switch cover (1) by removing the two cover screws (2) (See Figure 4-2).

NOTE
Mark the wires or make note of the wire locations on the switch to aid in the installation of the new switch.

(3) Disconnect the wires (3) and remove the switch by pressing the tabs (4) on the bottom and top of the switch.

B. Installation

(4) Insert the new switch in the slot where the old switch was located.

(5) Connect the wires (3) to the new switch in the same location as the old switch.

NOTE
If the ON/OFF/AUTO switch is being replaced with the newer 3 position switch, the light head will need to be re-configured as follows:

C. Re-configuration

(6) Plug the black wire (1) into the top position on the ON/OFF/AUTO switch and plug the gray wire (2) into the middle position. Plug the new red wire (3) into the bottom position (See Figure 4-3).

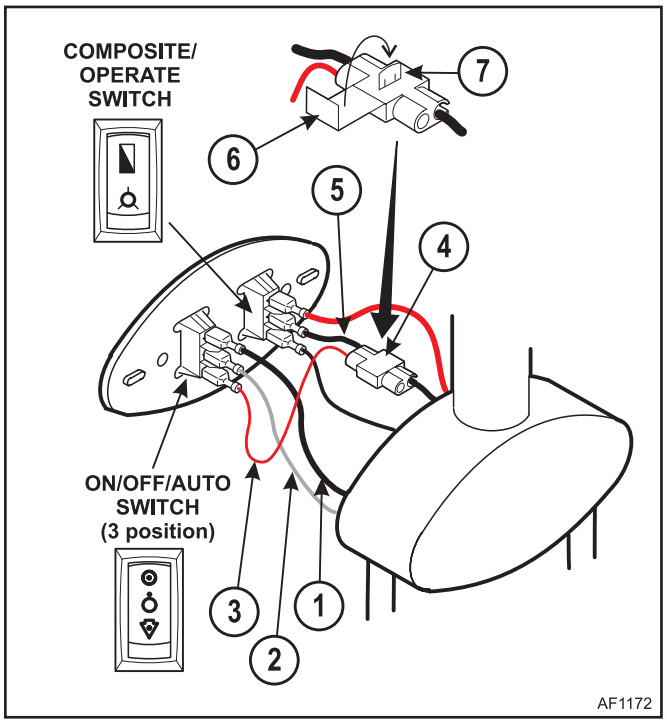

Figure 4-3. Switch Re-configuration

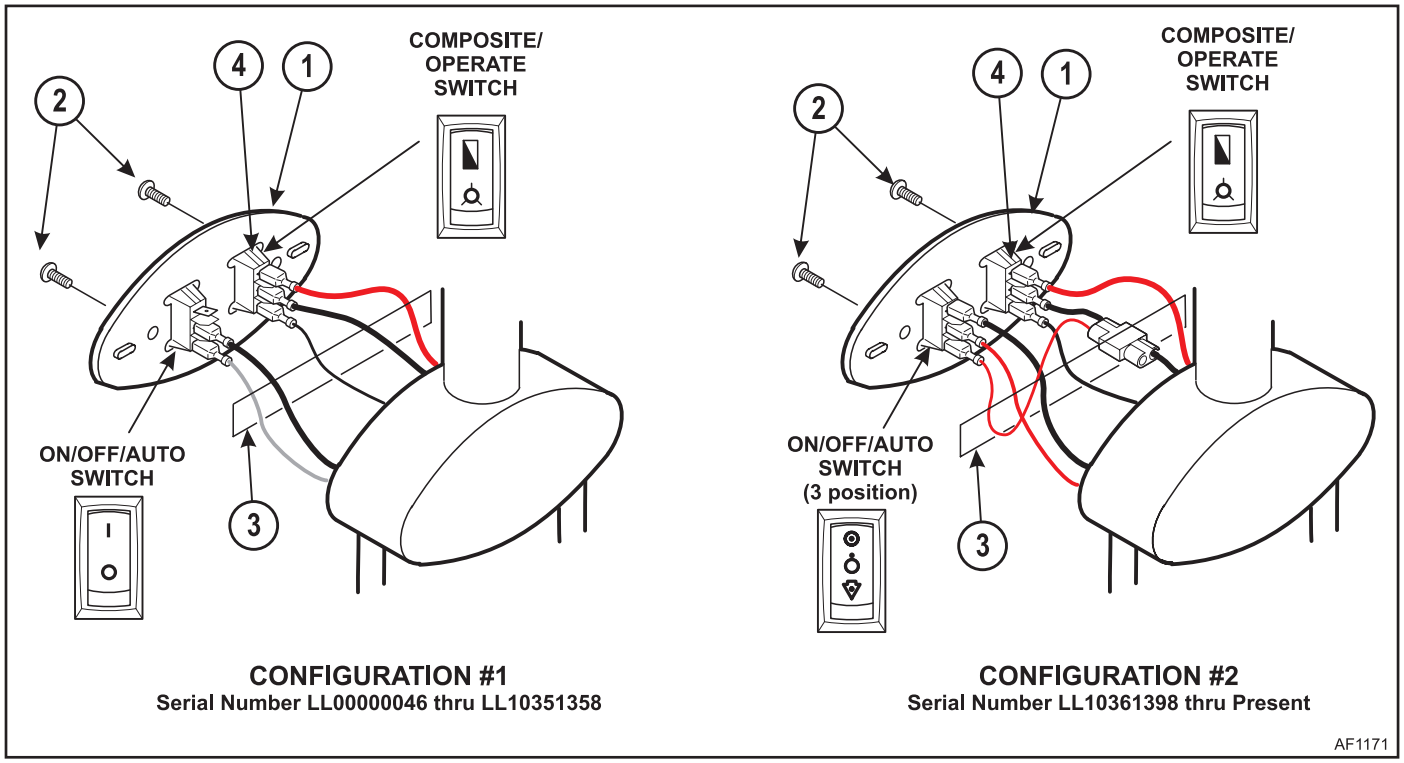

Figure 4-2. Switch Wiring Configurations

(7) Attach the connector (4) to the black composite switch wire (5) and insert the new red wire (3) into the connector.

(8) Fold the connector tab (6) over and press the conductor blade (7) in to the wires.

(9) Replace the switch cover (1) and screws (2).

Procedure #2 (for configuration #2)

A. Removal

(1) Disconnect electrical power to the light.

(2) Remove the light switch cover (1) by removing the two cover screws (2) (See Figure 4-2).

NOTE
Mark the wires or make note of the wire locations on the switch to aid in the installation of the new switch.

(3) Disconnect the wires (3) and remove the switch by pressing the tabs (4) on the bottom and top of the switch.

B. Installation

(4) Insert the new switch in the slot where the old switch was located.

(5) Connect the wires (3) to the new switch in the same location as the old switch.

(6) Replace the switch cover (1) and screws (2).

4.4 Lamp Socket Assembly Removal / Installation

A. Removal

(1) Disconnect electrical power to the light.

(2) Remove three cover screws (1) and the light head cover (2) (See Figure 4-4).

(3) Remove three standoffs (3), the reflector (4) and 2 wire nuts (5).

(4) Pull the lens support housing (6) out of the grommet (7) in the reflector.

(5) Remove the socket head screw (8), spring (9) and lamp socket (10) from the lens support housing.

B. Installation

(6) Replace the lamp socket (10) and reassemble all the parts. Be sure to orientate the lens support as shown (11).

(7) Before using, the light focus will need to be adjusted (See para 4-13).

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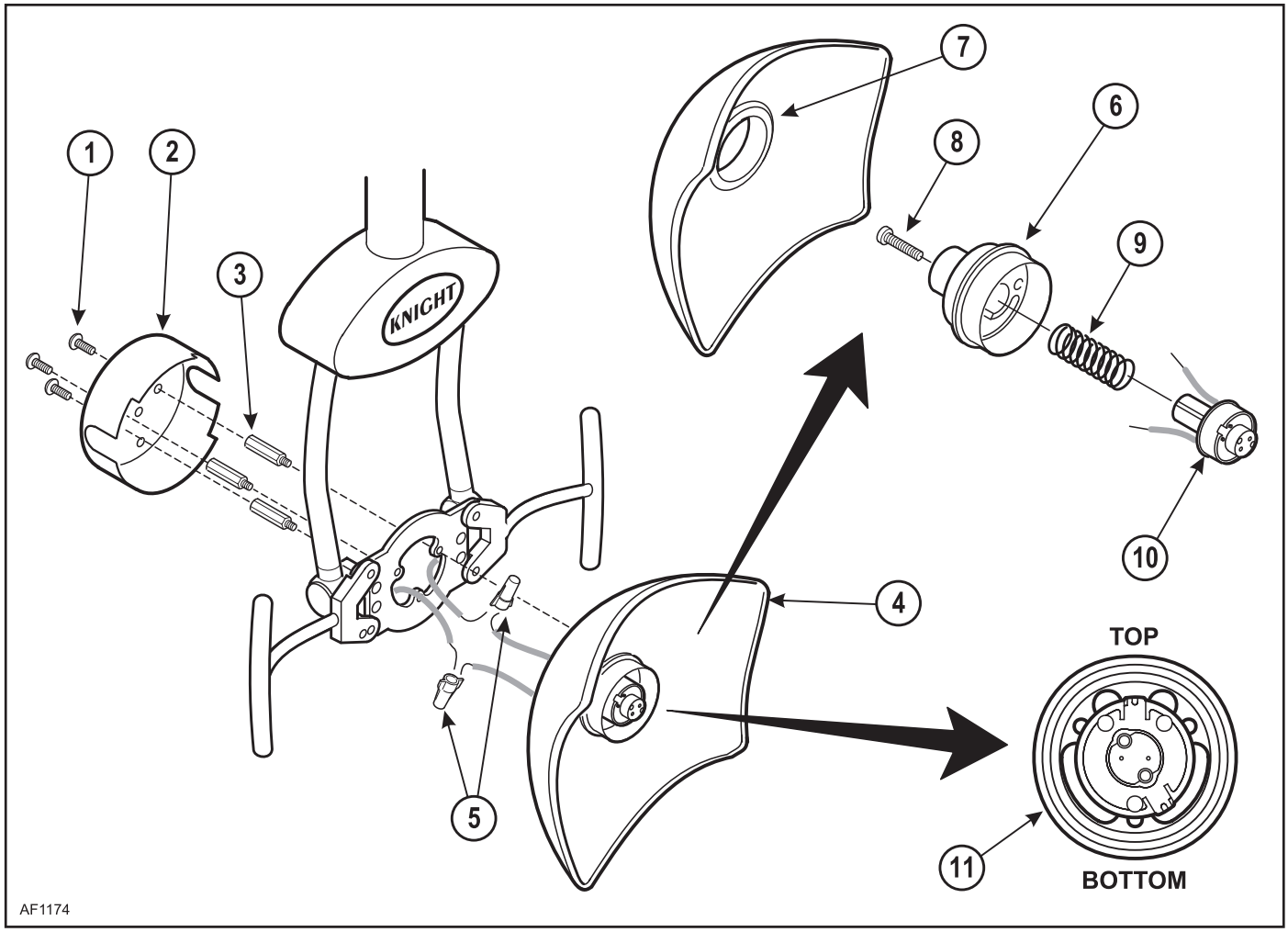

Figure 4-4. Lamp Holder Assembly Removal / Installation

4.5 Continuity Testing

A. Light Head Test

(1) Disconnect electrical power to the light.

(2) Remove the light switch covers (1) by removing the two cover screws (2) (See Figure 4-5).

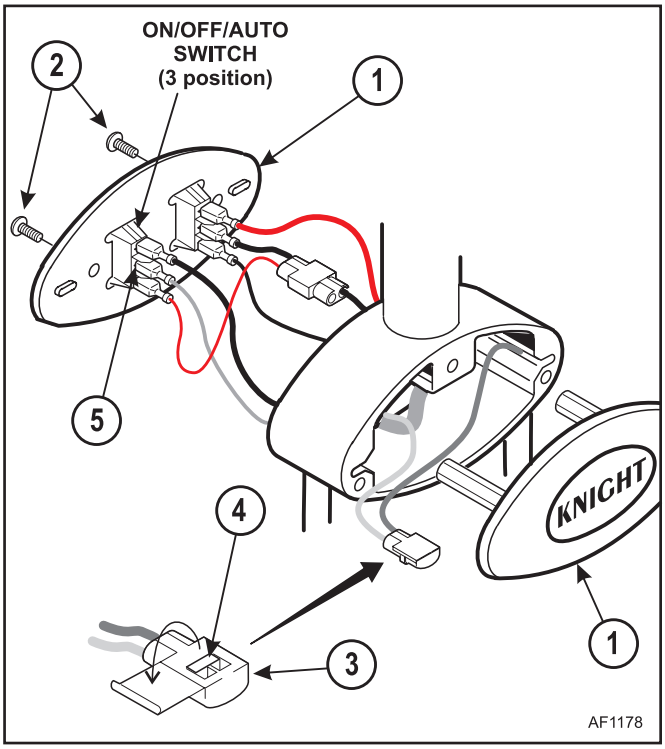

Figure 4-5. Light Head Continuity Test

(3) Insert a good bulb into the bulb socket.

(4) Open the connector cover (3) that connects the common white and gray wires.

(5) Check for continuity between the metal tab (4) in the connector and the middle position on the ON/OFF/AUTO switch (5).

B. Transformer to Light Head

(1) Disconnect electrical power to the light.

(2) Remove the light switch covers (1) by removing the two cover screws (2) (See Figure 4-6).

(3) Open the connector cover (3) that connects the common white and gray wires.

(4) Unit mounted light only:
Check for continuity between the metal tab (4) in the connector and the middle position (white wire) on the 9 pin light plug (5) at the APC (6).
Track, ceiling, wall and universal lights:
Check for continuity between the metal tab (4) in the connector and the white wire on position C2 (7) on the light transformer (8) Refer to Para 1-3 for transformer locations.

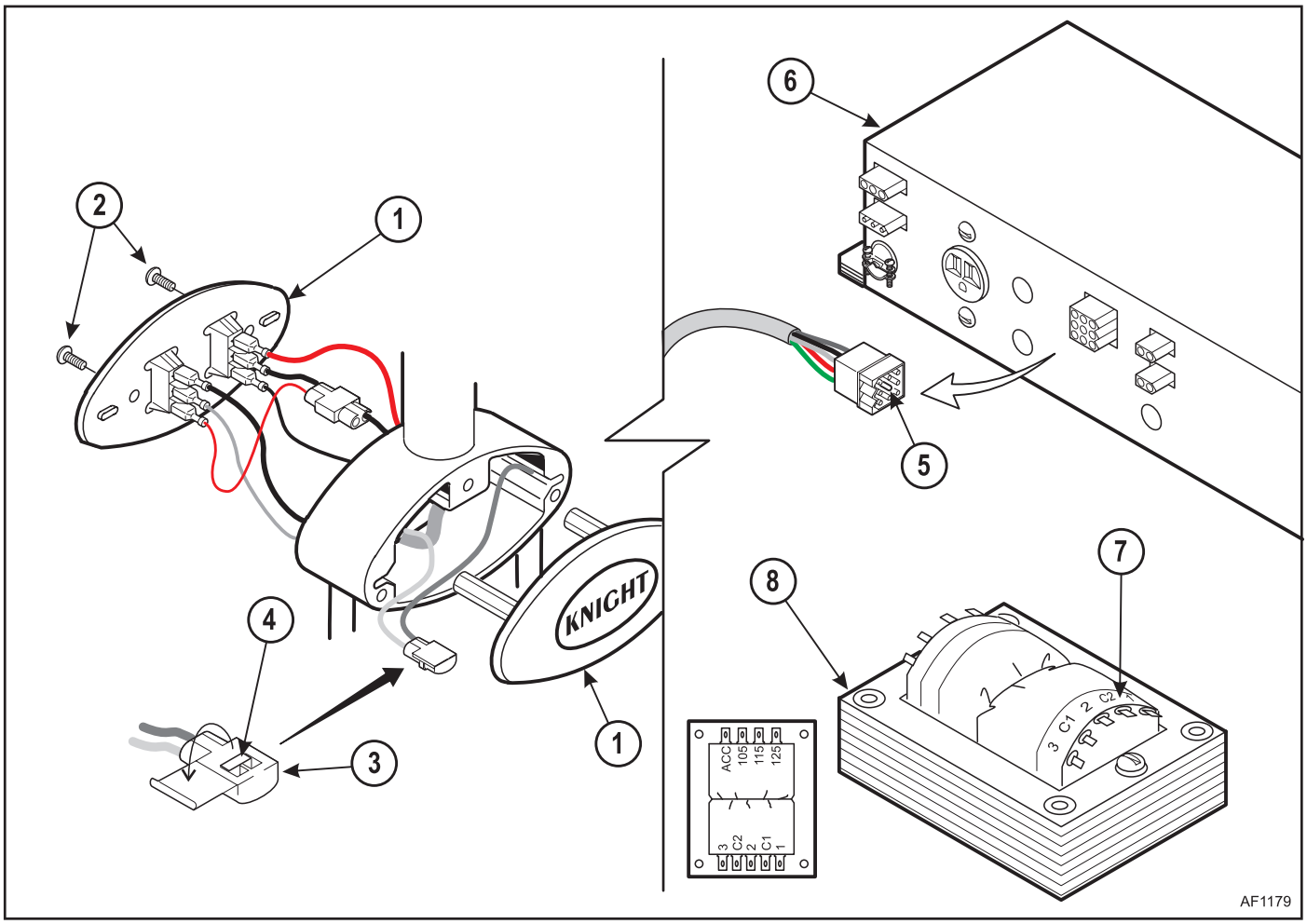

Figure 4-6. Transformer to Light Head Continuity Test

4.6 Transformer Voltage Testing

(1) Remove transformer cover. Refer to Section I, Figure 1-1 for transformer location.

(2) Connect electrical power to the light.

(3) Primary Side:
Check the voltage across the black wire located at position 115 (1) to the white located at position ACC (2) on the primary side (See Figure 4-7).

(4) Secondary Side:
Check the voltage across the white common wire located at position C1 or C2 (3) to the other four terminals. (See Figure 4-7). The voltages will read as follows:
(4) Black wire position 3 = 20+ vac
(5) Orange wire position 2 = 18+ vac
(6) Red wire position 1 = 17+ vac
(7) Brown wire position 4 = 10+ vac

NOTE
The voltage listed may be higher due to the no load condition. Also, the voltage is lower on the C2 tap.

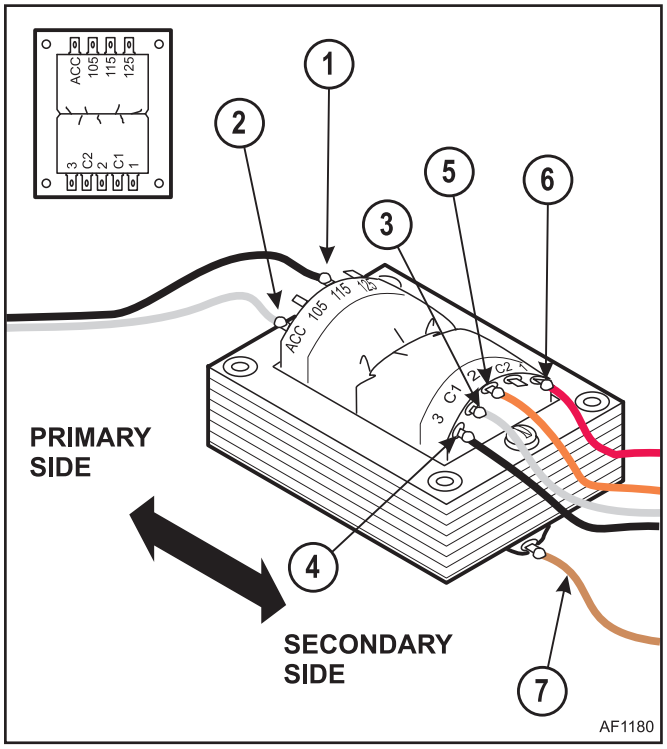

Figure 4-7. Transformer Voltage Testing

4.7 Transformer Continuity Testing

A. Unit mounted Light and concept LR with APC.

(1) Disconnect electrical power to the light and remove the APC cover. Refer to Section I, Figure 1-1 for transformer location.

(2) Unplug the 9 pin connector from the APC (1) and disconnect the black wire (2) on the primary side from the terminal block (3).

(3) Check the continuity from the black wire on the 115 VAC tap of the transformer (4) to the ACC position (5).

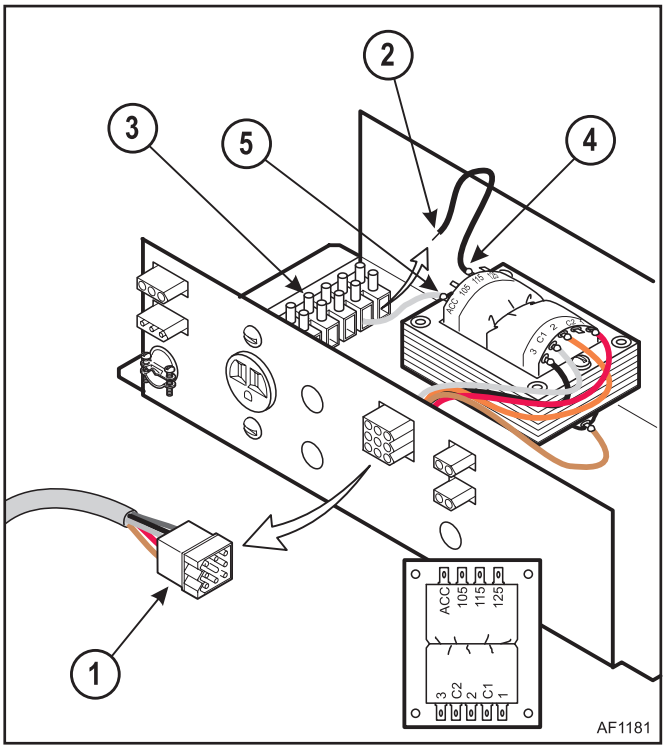

Figure 4-8. Transformer Continuity Testing Unit mounted Light and concept LR with APC

B. Wall/Cabinet mounted Light.

(1) Disconnect electrical power to the light (1) and remove transformer cover. Refer to Section I, Figure 1-1 for transformer location.

(2) Unplug the 9 pin connector (2) from the light cable (3).

(3) Check the continuity from the wire at the 115 VAC tap on the transformer (4) to the ACC position (5)

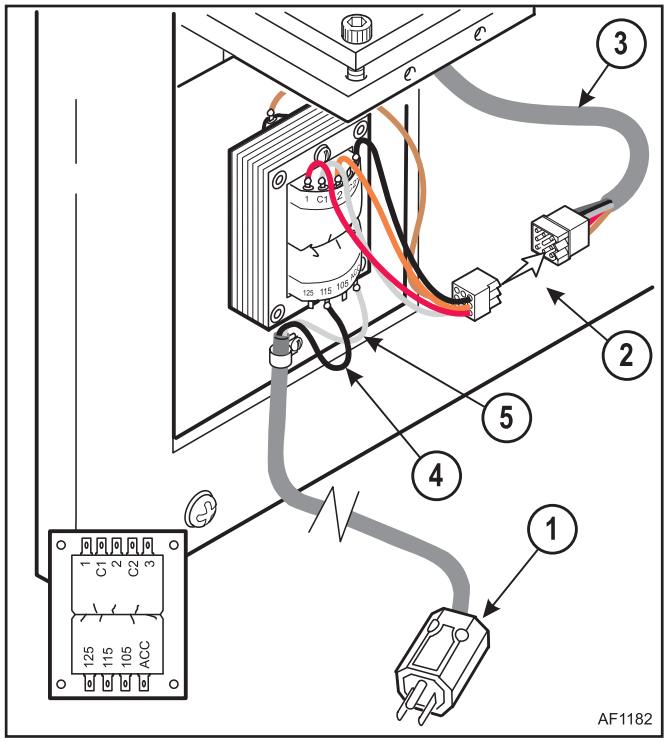

Figure 4-9. Transformer Continuity Testing Wall/ Cabinet mounted

C. Universal mounted Light.

(1) Disconnect electrical power to the light and remove transformer cover. Refer to Section I, Figure 1-1 for transformer location.

(2) Unplug the 4 pin connector (1) and the 3 pin connector (2).

(3) Check the continuity from the 115 VAC tap on the transformer (3) to the ACC position (4).

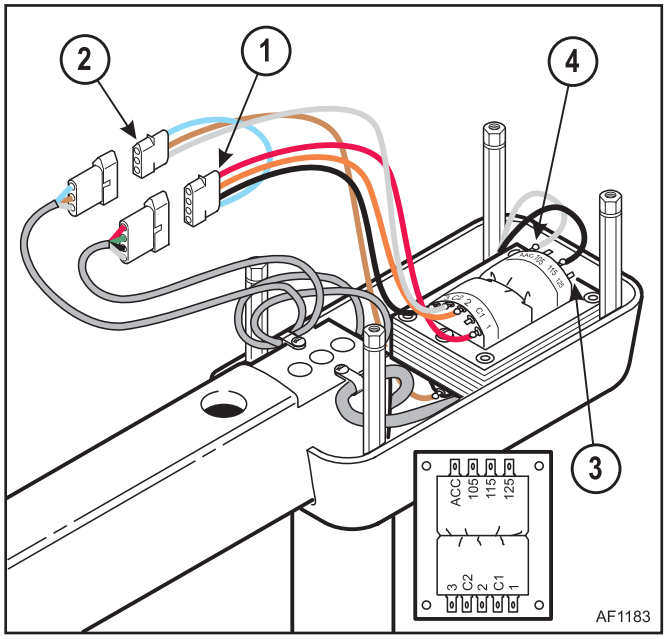

Figure 4-10. Transformer Continuity Testing Universal mounted Light

D. Ceiling mounted Light.

(1) Disconnect electrical power to the light and remove the transformer cover. Refer to Section I, Figure 1-1 for transformer location.

(2) Unplug the 4 pin connector (1) and the 3 pin connector (2).

(3) Check the continuity from the 115 VAC tap on the transformer (3) to the ACC position (4).

E. Track mounted Light.

(1) Disconnect electrical power to the light and remove the transformer cover. Refer to Section I, Figure 1-1 for transformer location

(2) Unplug the 3 pin connector (1).

(3) Check the continuity from the 115 VAC tap on the transformer (3) to the ACC position (4).

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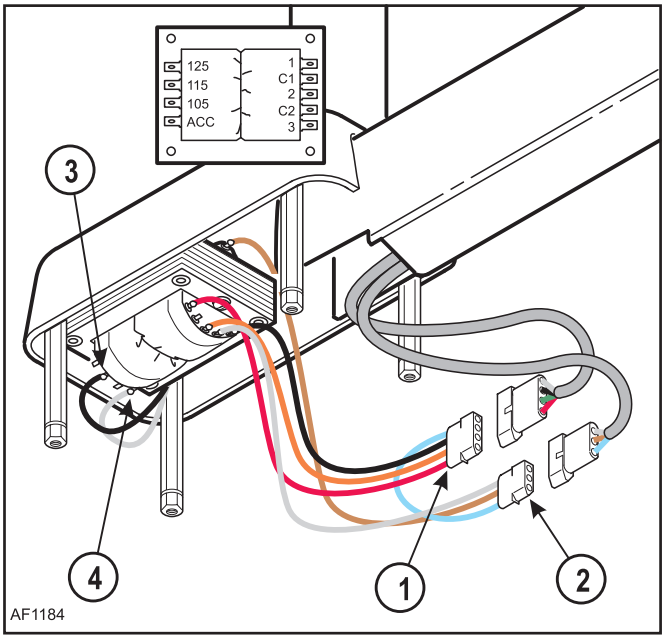

Figure 4-11. Transformer Continuity Testing Ceiling mounted Light

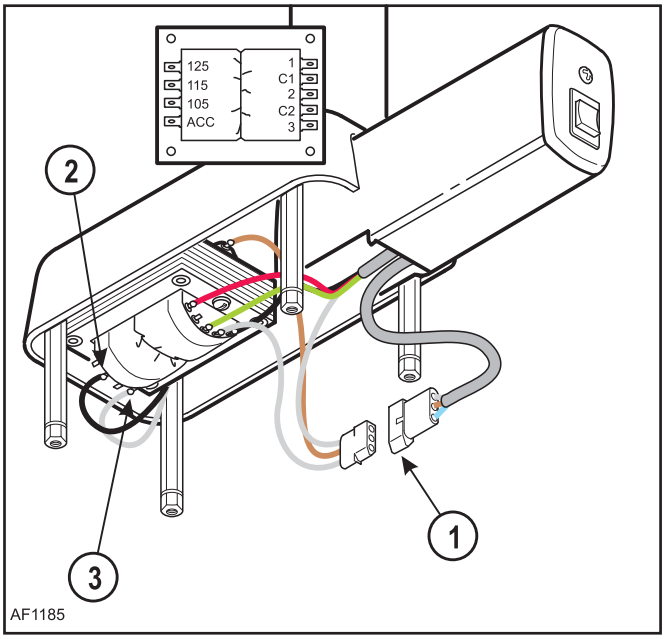

Figure 4-12. Transformer Continuity Testing Track mounted Light

4.8 Cable Connection Testing and Locations

(1) Disconnect electrical power to the light and remove the covers. Refer to Figure 4-13 thru 4-19 for connection locations.

(2) Continuity Tests:
Before performing continuity test at the various cable connections, disconnect the secondary side of the transformer to avoid getting a false reading through the transformer. Check between the wires and the ground for shorts.

(3) Checking voltage:
All voltage checks are referenced from the white wire C2 or C1 depending on the how the light is mounted. Refer to Section V.

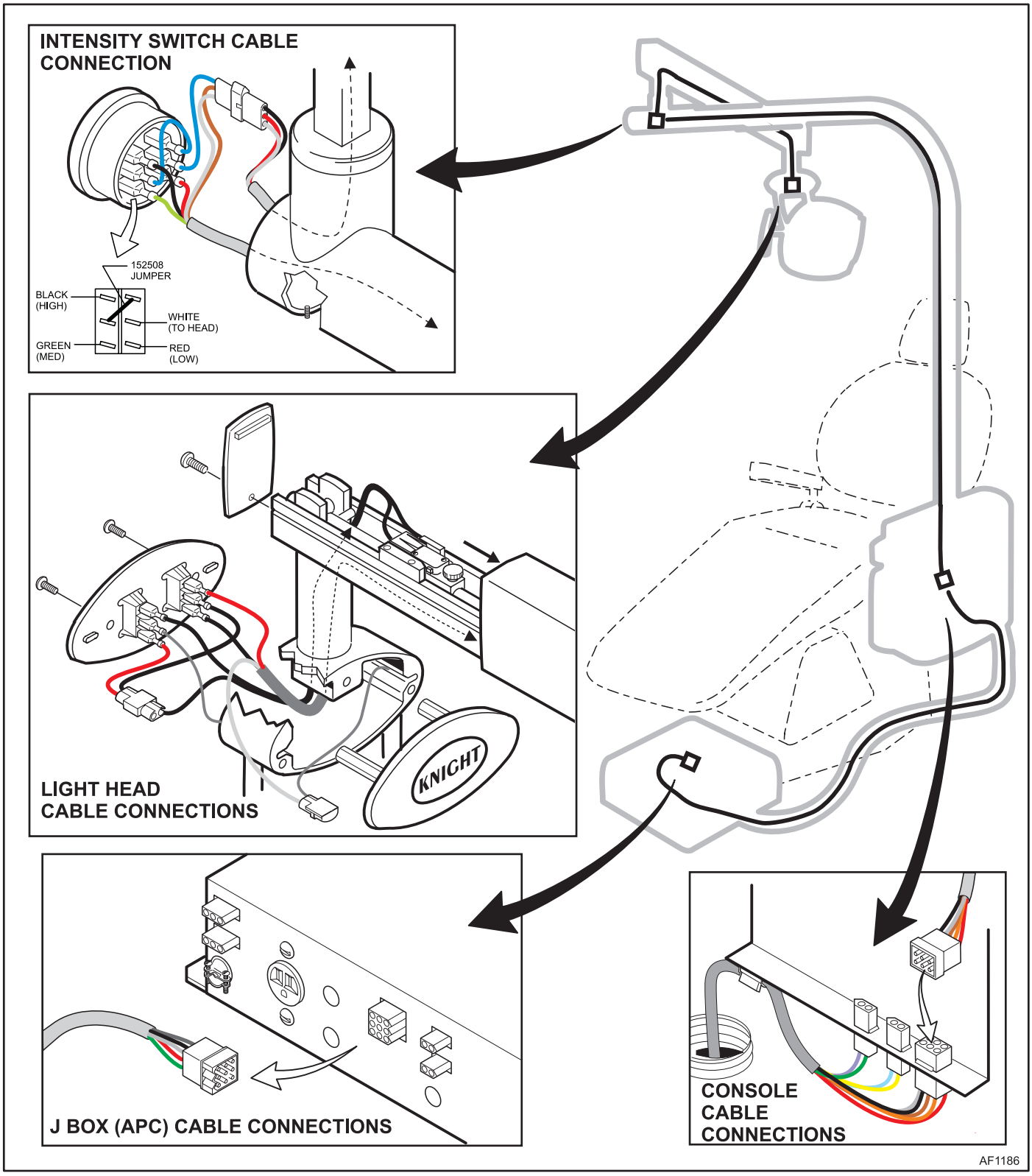

Figure 4-13. Cable Connections - Unit Mounted Light

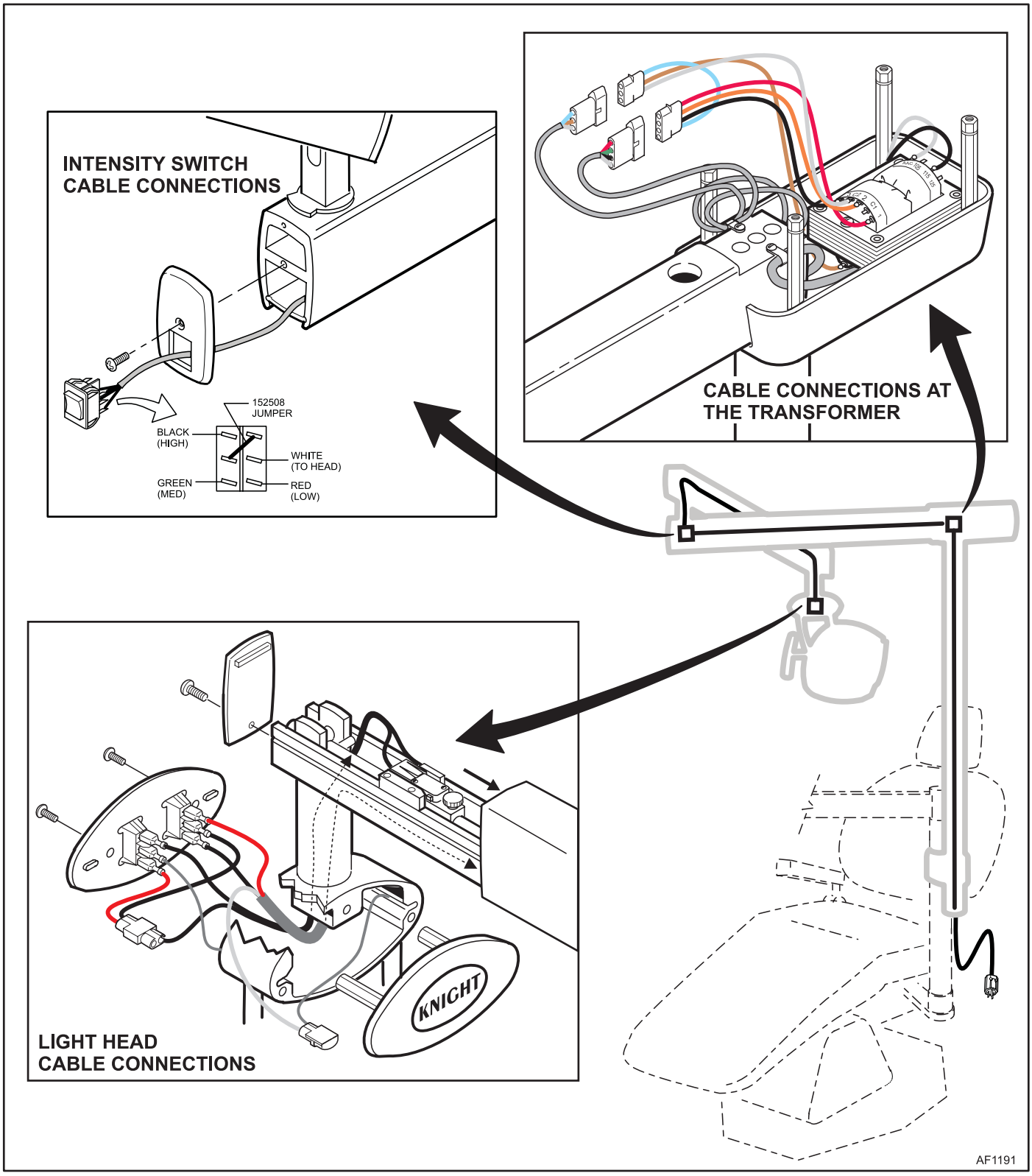

Figure 4-14. Cable Connections - Universal Mounted Light

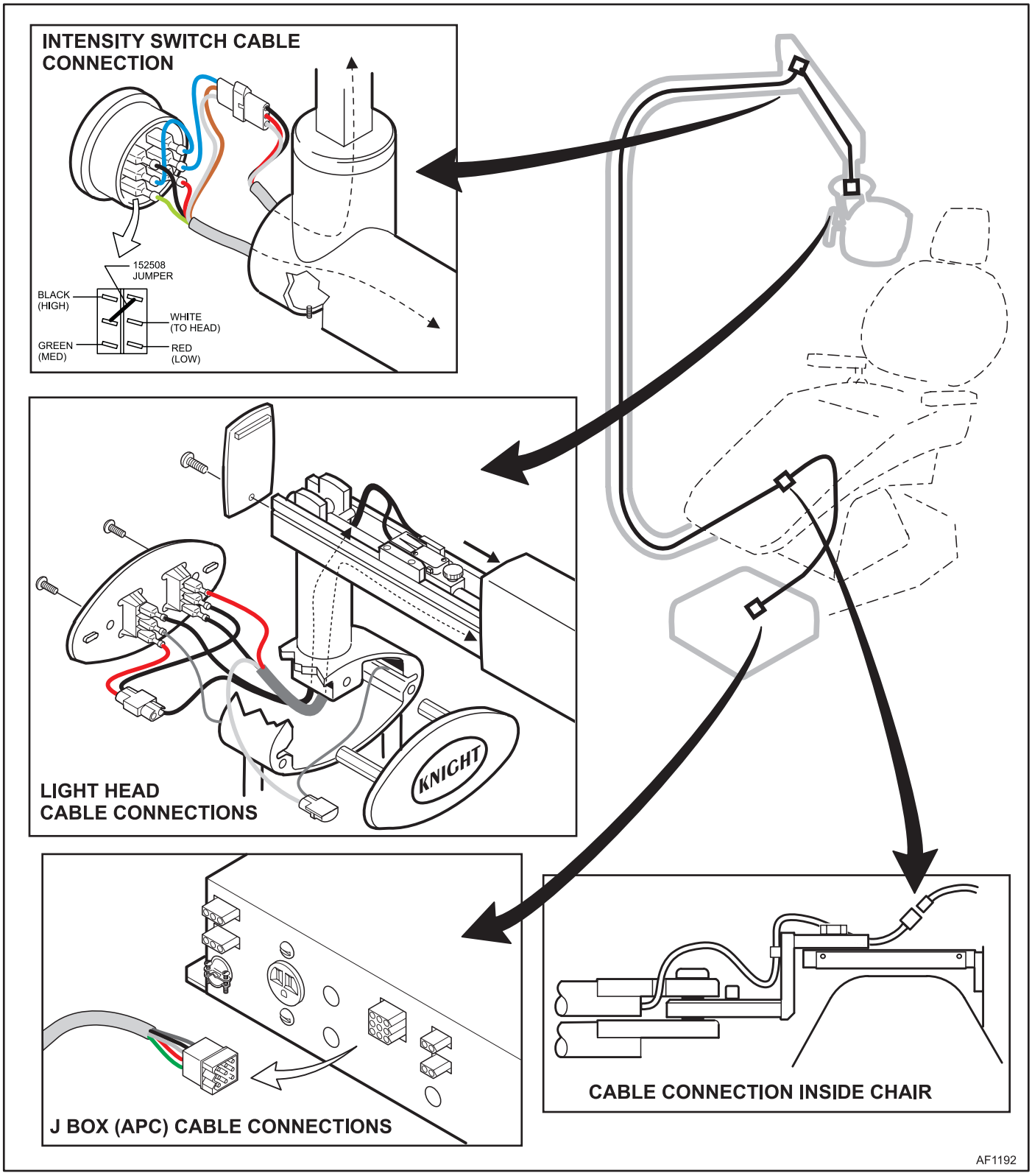

Figure 4-15. Cable Connections - Concept LR Light

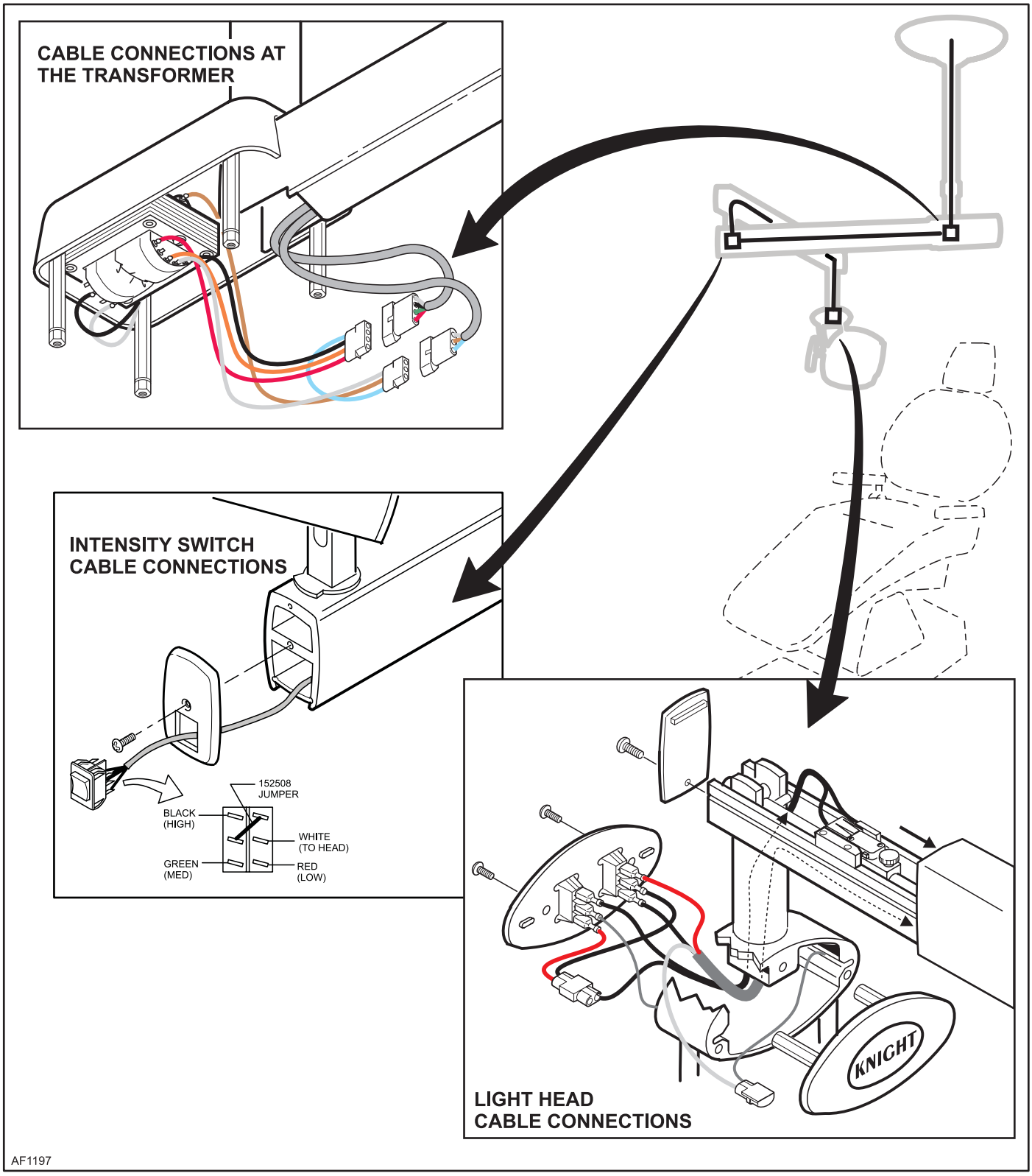

Figure 4-16. Cable Connections - Ceiling Mounted Light

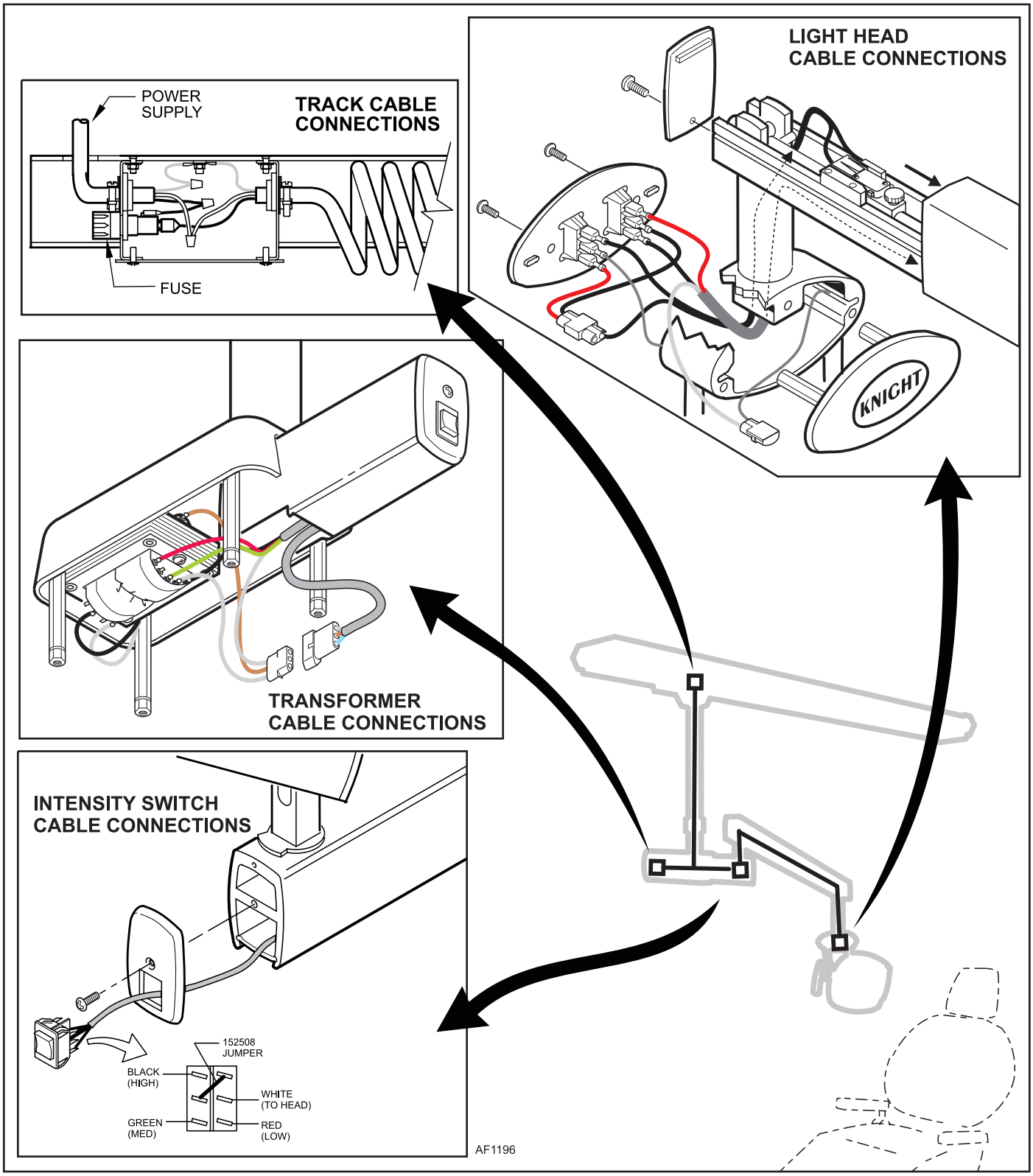

Figure 4-17. Cable Connections - Track Mounted Light

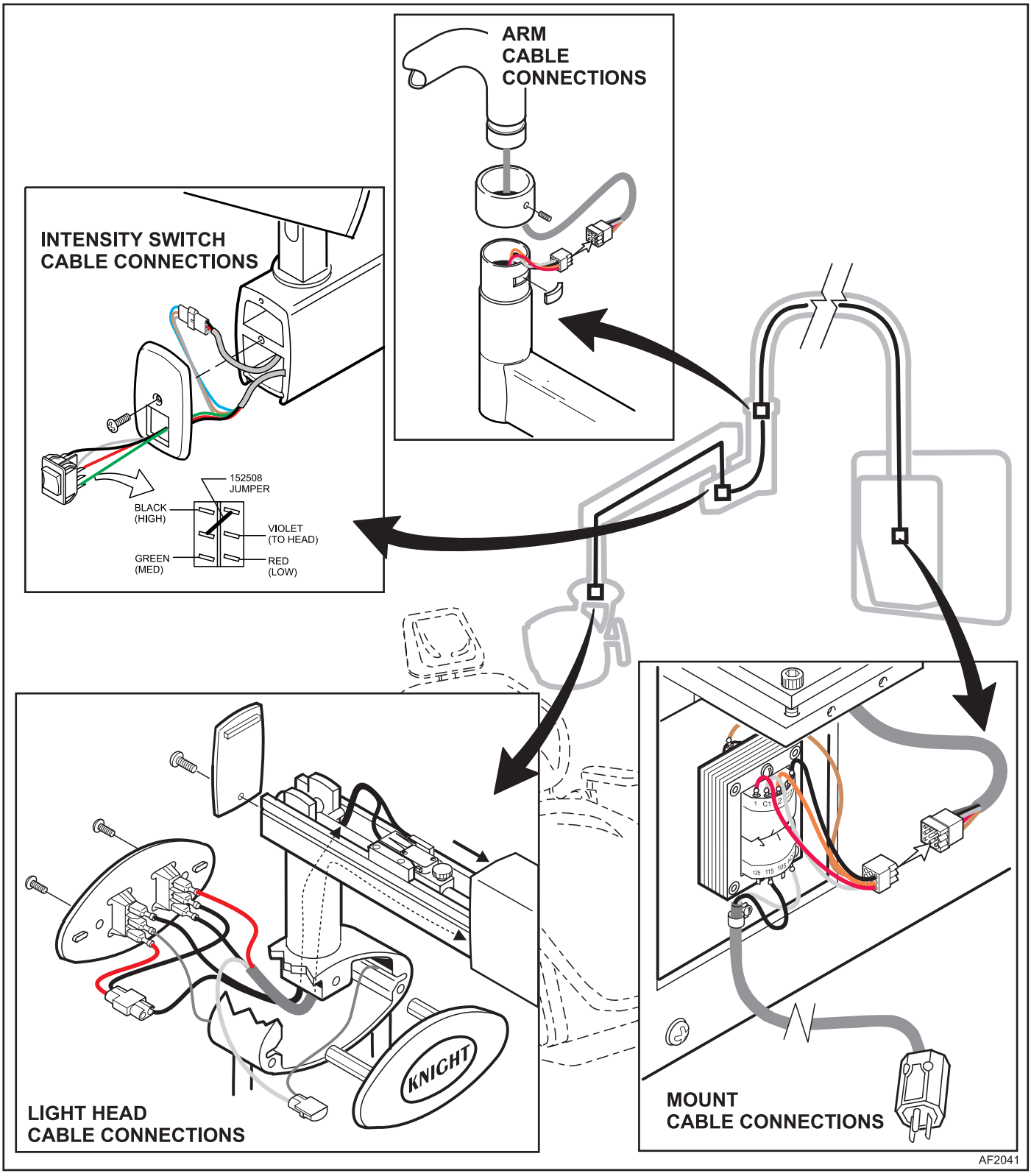

Figure 4-18. Cable Connections - Wall/Cabinet mounted Light

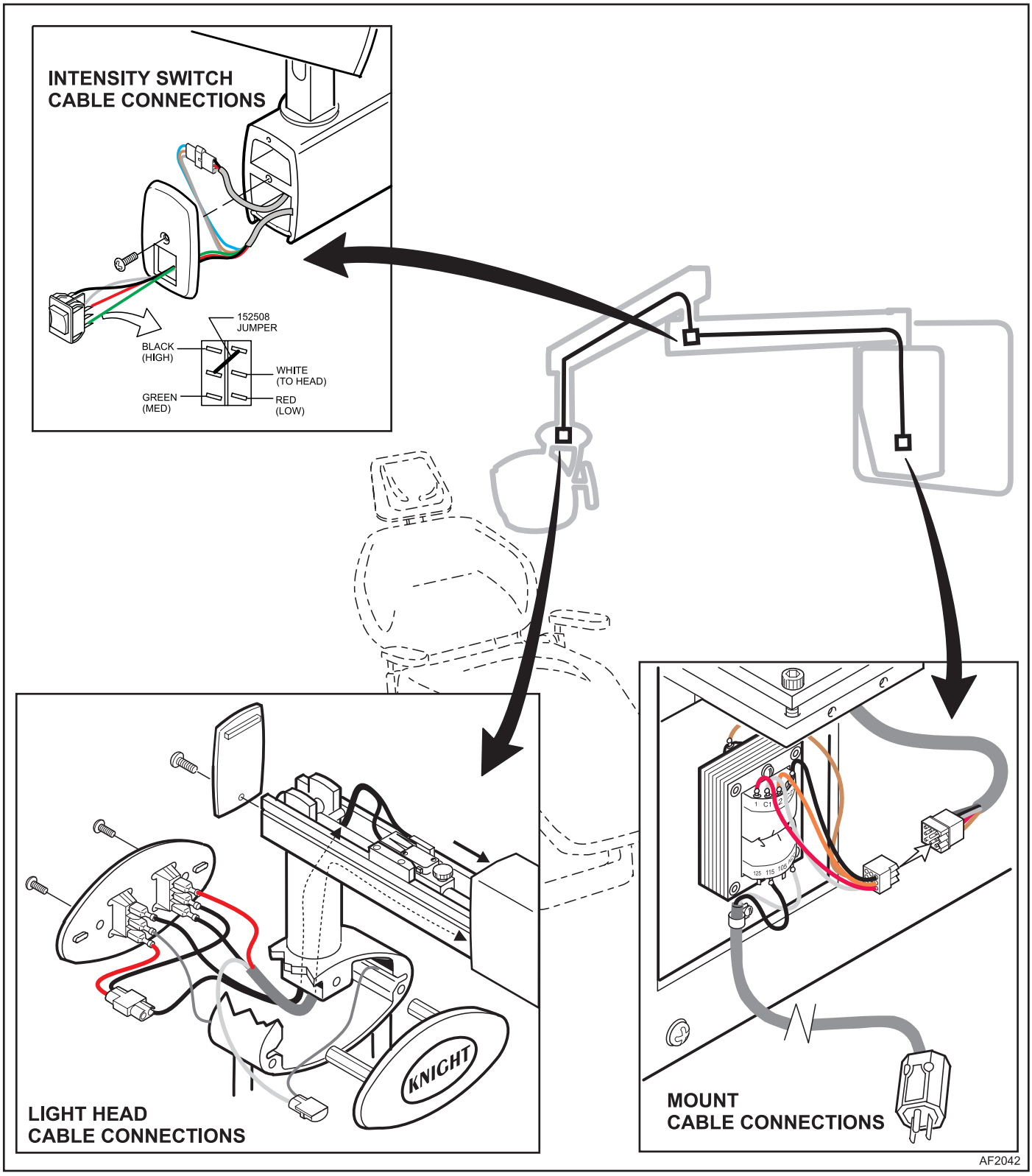

Figure 4-19. Cable Connections - Wall/Cabinet mounted Light (Short Arm)

4.9 Light Head Rotation Adjustment

(1) Disconnect electrical power to the light.

(2) Remove the back cover (1) and three screws. (2) (See figure 4-20).

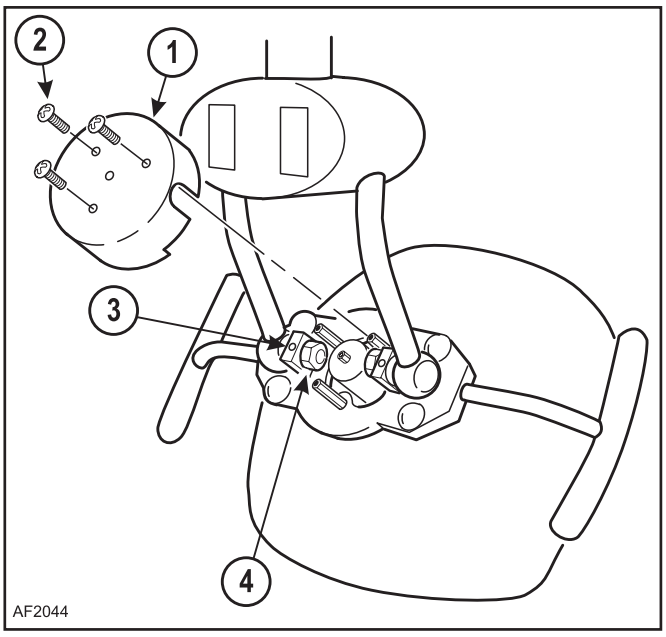

Figure 4-20. Light Head roatation adjustment

(3) Loosen each set screw (3) one turn maximum, using an allen wrench.

(4) Using an open end wrench, tighten the adjusting nuts (4) on each side 1/8 turn. Check the movement of the light head. Repeat until the tension is satisfactory.

(5) Retighten the set screws (3) and replace the back cover (1) and screws (2).

4.10 Wave Washer Replacement

A. Removal

(1) Disconnect electrical power to the light.

(2) Remove the back cover (See Para 4.9)

(3) Remove the light covers (1) by removing two screws (2) (See Figure 4-21).

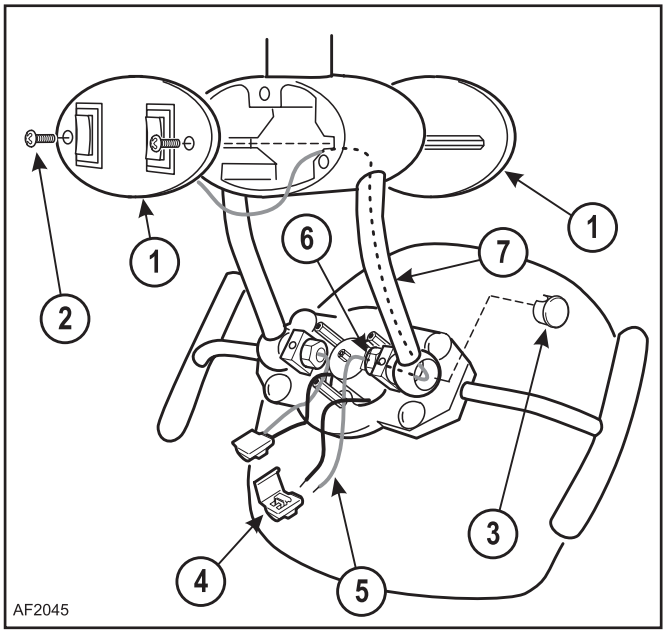

Figure 4-21. Wave Washer replacement

(4) Working on one side at a time, remove the cap (3) and disconnect the connector (4) that holds the gray wire (5) which goes up through Adjustment nut (6) and up through the strut (7).

(5) Pull the end of the gray wire (1) up into the strut (2) to get it out of the way so the hardware may be removed (See Figure 4-22).

(6) Remove the adjusting nut (3) and loosen the set screw (4).

(7) Remove the pivot stud (5), wire insulator (6), the wave washer (7) and the two flat washers (8).

(8) Repeat this procedure on the opposite side.

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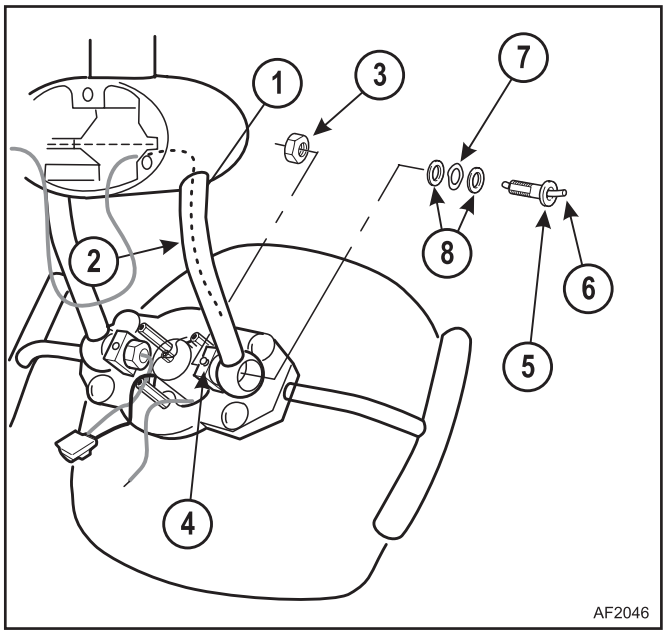

Figure 4-22. Wave Washer replacement

.

EQUIPMENT ALERT
Removing the hardware as described in this procedure will separate the reflector assembly from the yoke. Take care to avoid dropping the reflector.

B. Installation

(1) Working on one side at a time, replace the worn wave washer (7) with a new wave washer and re-assemble the pivot stud (5), wire insulator (6), and flat washers (8) (See Figure 4-22).

WARNING
Make sure the wire insulator is in place in the pivot stud. This insulator protects the insulation covering on the gray wire from wear. Failure to do so could result in an electrical hazard.

(2) Re-assemble the light head by following the "Remove" procedure in reverse order, but leave the back cover off (Refer to Figures 4-21 and 4-22).

(3) Adjust the light head rotation (refer to Para 4.9v).

4.11 Flex Arm Tension Adjustment

A. Cover Removal

(1) Disconnect electrical power to the light.

(2) Remove the end cap (1) by removing the phillips head screw (2) (See Figure 4-23)

(3) Slide the arm cover (3) of the end of the flex arm assembly (4).

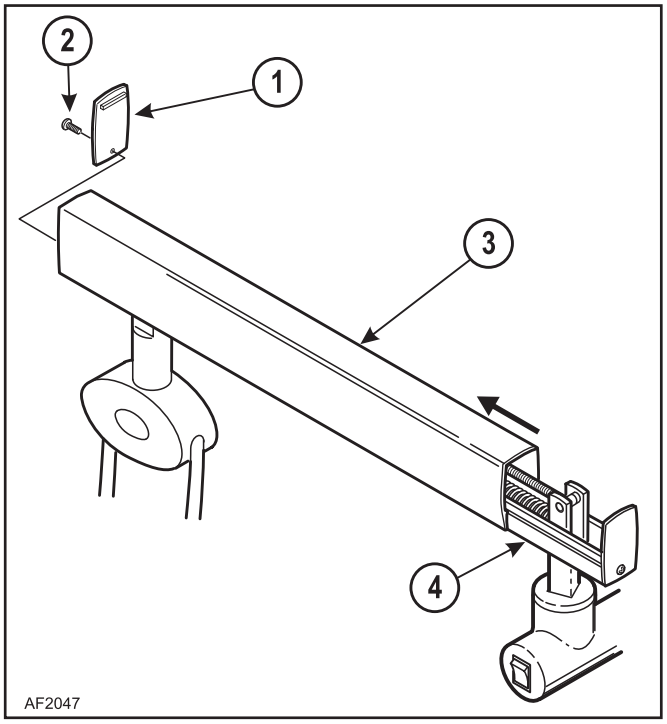

Figure 4-23. Flex Arm Cover Removal

B. Tension Adjustment

(1) Loosen or tighten the tension adjusting nut (1) to decrease or increase the tension respectively until the desired tension if obtained (See Figure 4-24).

(2) Replace the covers by following the "Cover Removal" procedure in reverse order.

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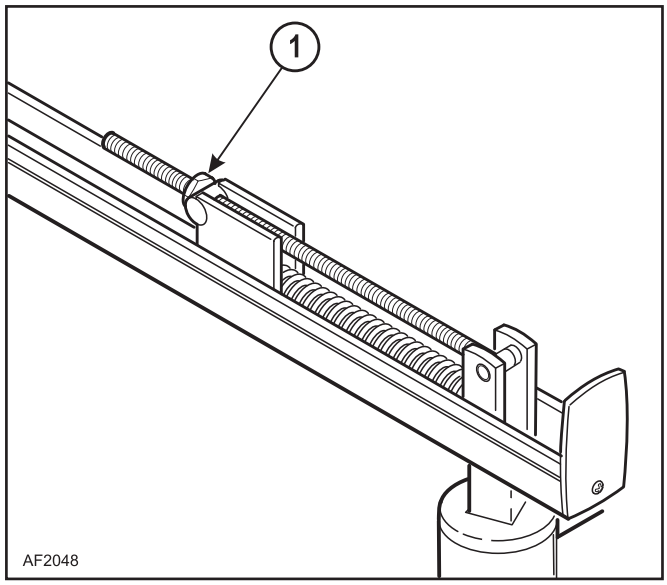

Figure 4-24. Flex Arm tension Adjustment

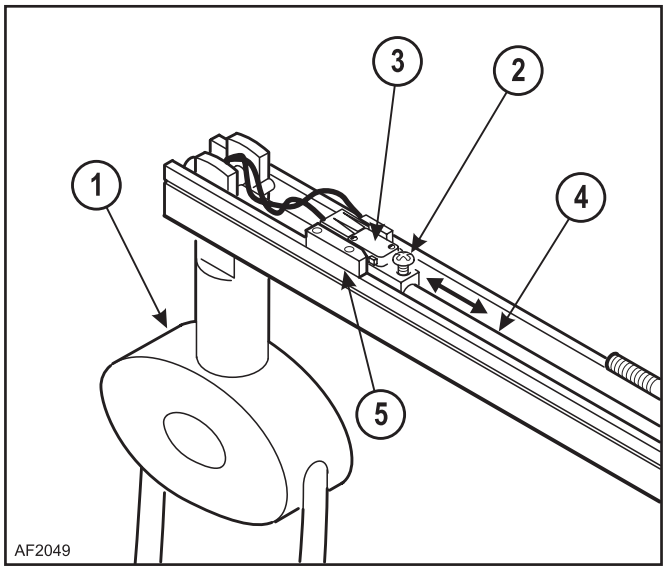

Figure 4-25. Auto ON/OFF Adjustment

4.12 Automatic ON/OFF Adjustment

A. Cover Removal

(1) Disconnect electrical power to the light.

(2) Remove the end cap (1) by removing the phillips head screw (2) (See Figure 4-23).

(3) Slide the arm cover (3) of the end of the flex arm assembly (4).

B. Adjustment

(1) Raise or lower the light head and arm assembly (1) to the position where the operator would like the automatic on/off to be activated.(See Figure 4-25).

(2) Loosen the adjustment screw (2) and slide the limit switch (3) along the rod (4) until it makes contact with the switch block (5) and the light turns OFF.

(3) Tighten the adjustment screw (2).

(4) Replace the covers by following the “Cover Removal” procedure in reverse order.

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4.13 Light Focus Adjustment

(1) Disconnect electrical power to the light.

(2) Position the light 21 to 39 inches (53 to 99cm) from a target (wall, chair back, etc.) and turn on the light.

(3) Insert the 9/64" allen wrench (1) into the hole (2) in the back cover (3) of the light to reach the focus adjusting screw inside (4) (See Figure 4-26).

(5) Loosen or tighten the screw until the desired pattern is obtained. We suggest a nominal pattern size of 3 x 8 inches (8 x 20cm), oval in shape, with feathered edges (See Figure 4-27).

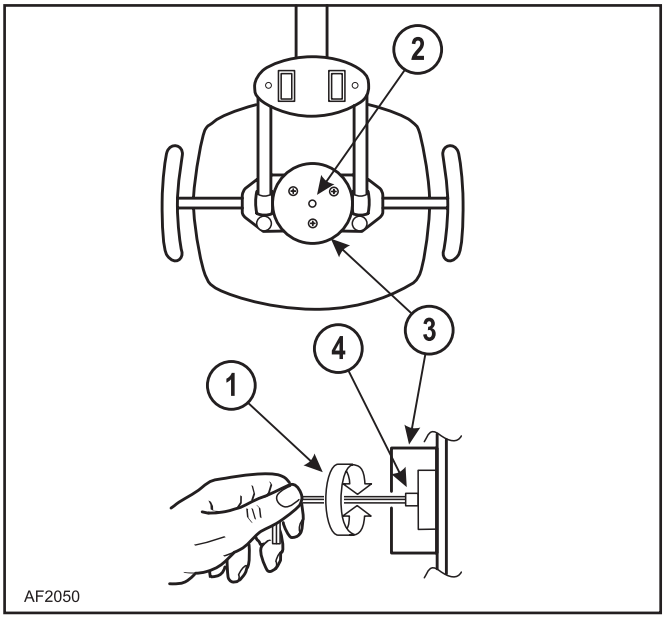

Figure 4-26. Light Focus Adjustment

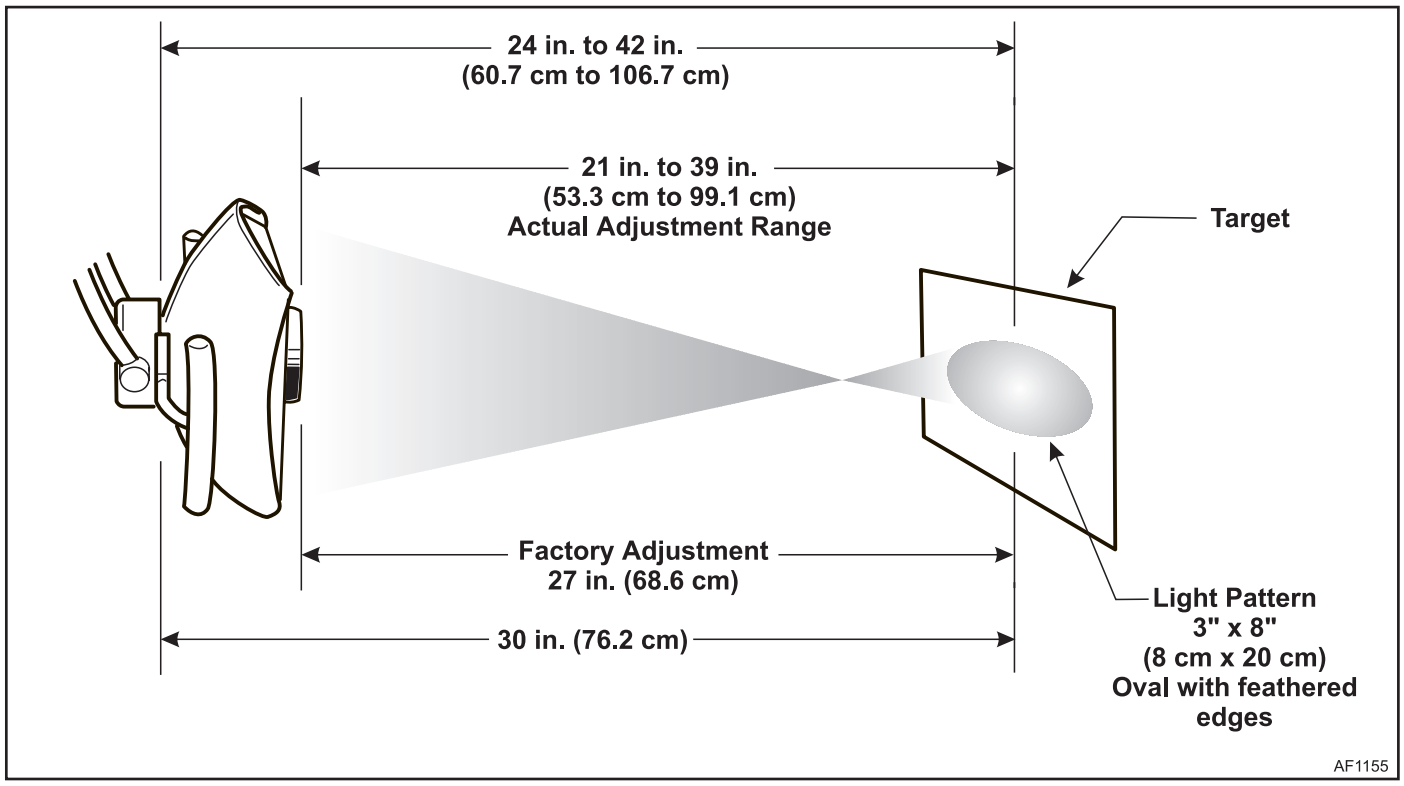

Figure 4-27. Light Pattern Dimensions

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SECTION V
SCHEMATICS AND DIAGRAMS

5.1 Electrical Schematics / Wiring Diagrams

Figures 5-1 thru 5-x illustrates the wiring connections between the electrical components in the various configurations of the Model L 120 VAC model dental light.

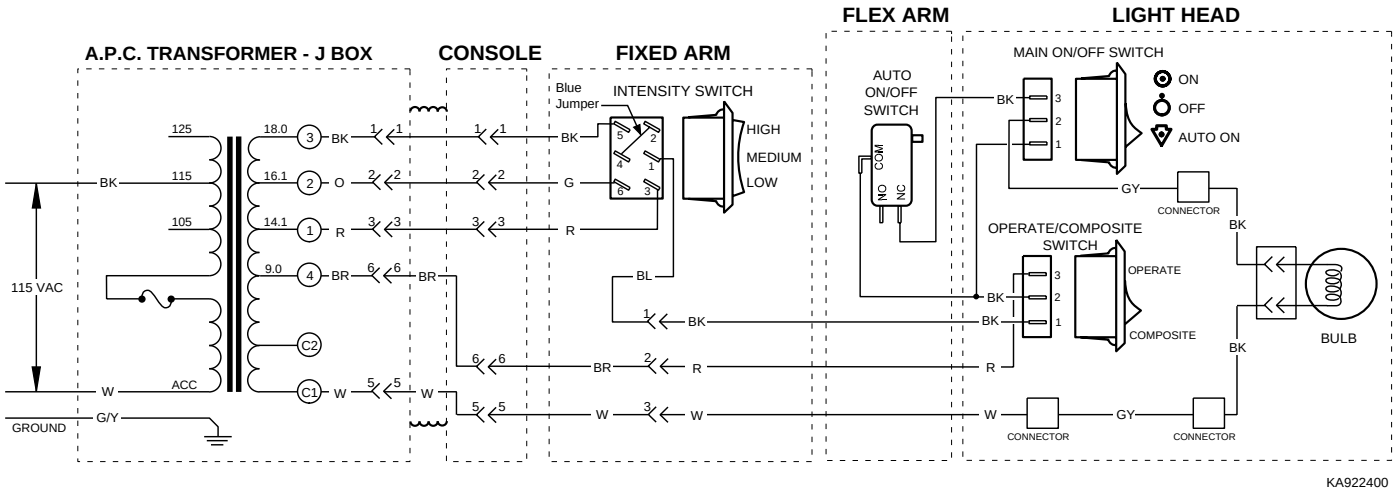

Figure 5-1. 120 VAC Wiring Diagram TP1624 Rev B
Unit Mounted Light and Concept LR Light With A.P.C. Transformer

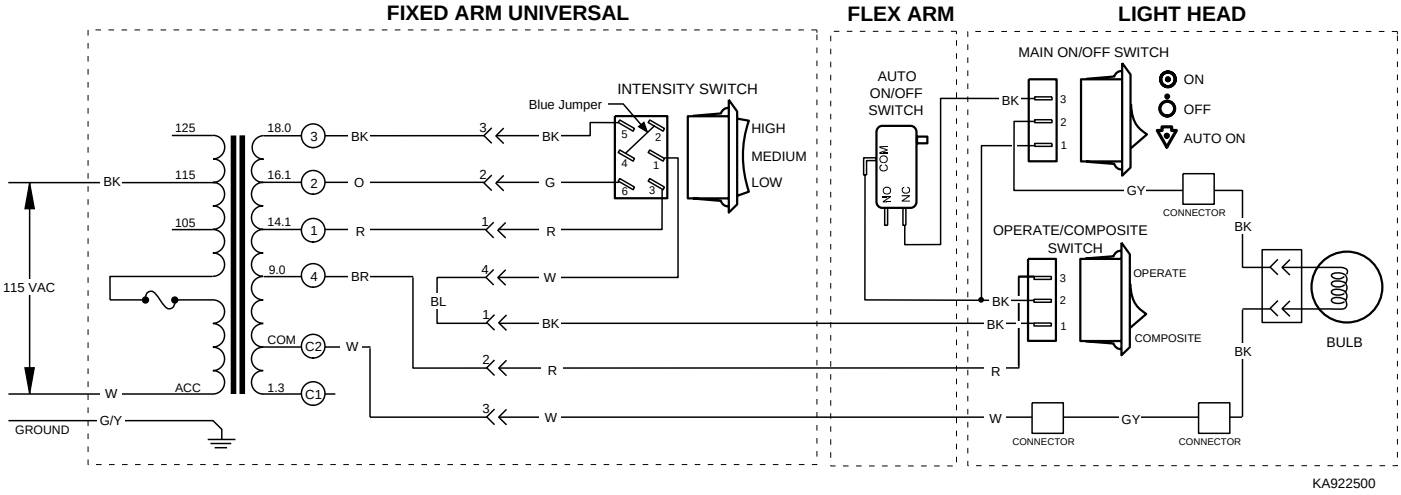

Figure 5-2. 120 VAC Wiring Diagram TP1365 Rev A
Universal Mounted Light

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SECTION V
SCHEMATICS AND DIAGRAMS

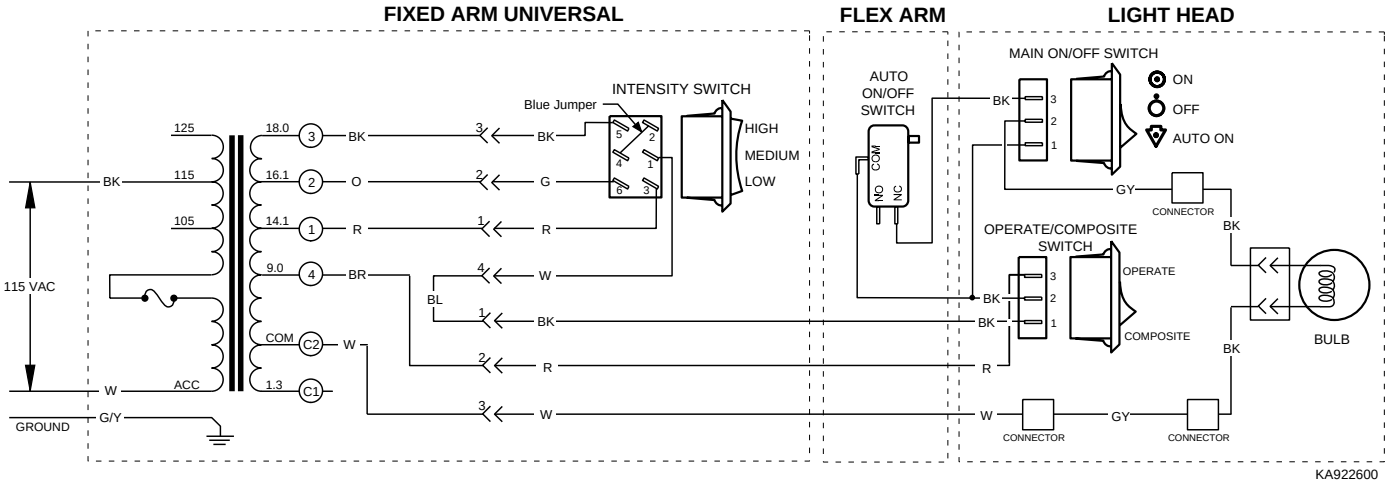

Figure 5-3. 120 VAC Wiring Diagram TP1397 Rev A
Ceiling Mounted Light

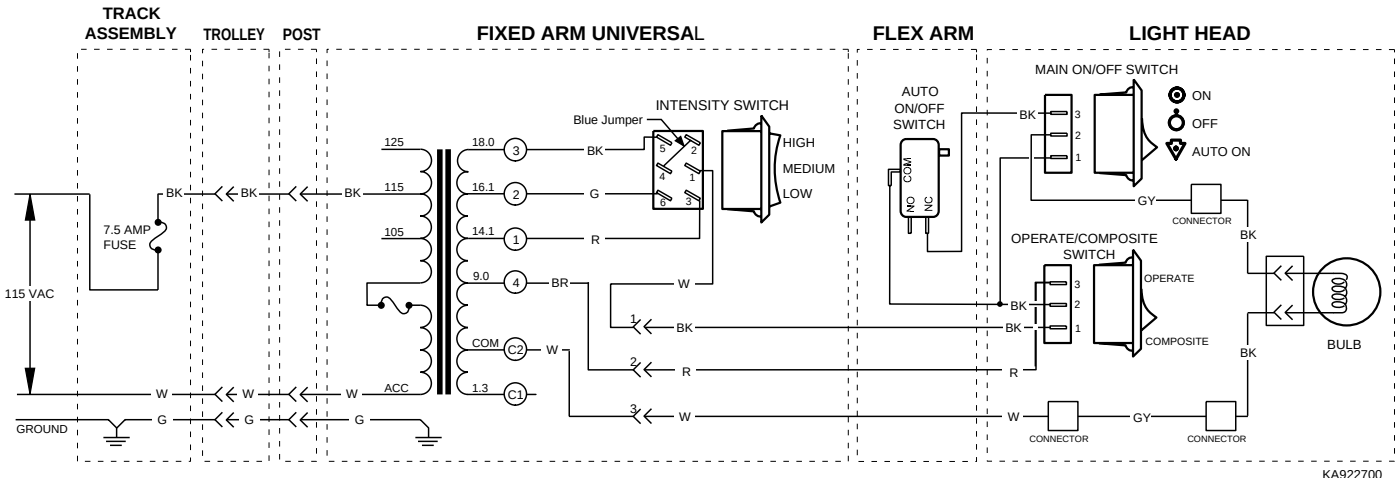

Figure 5-4. 120 VAC Wiring Diagram TP1399 Rev A
Track Mounted Light

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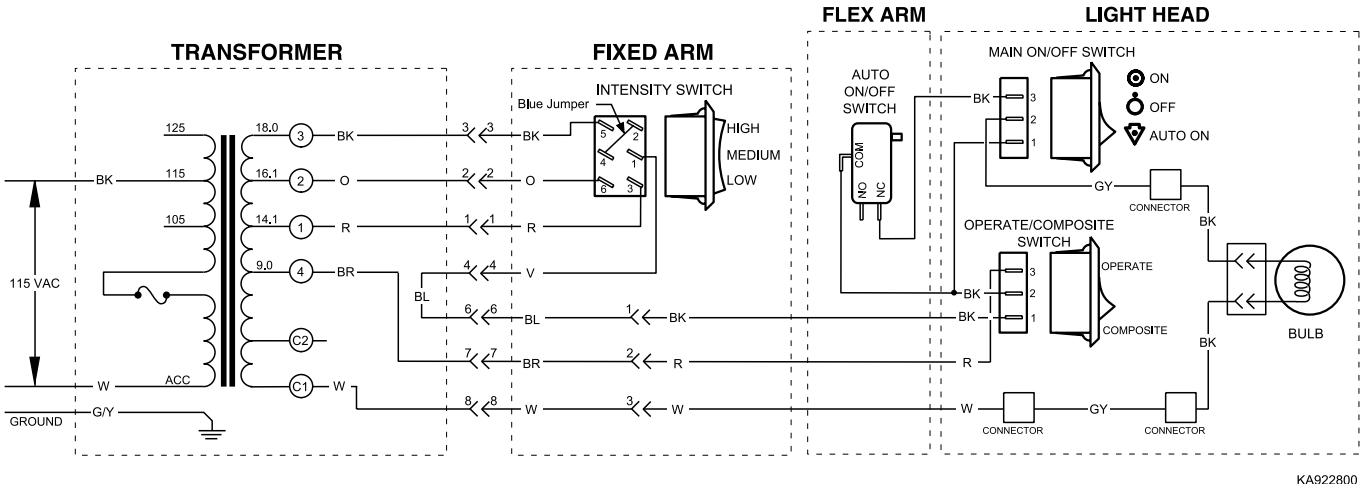

Figure 5-5. 120 VAC Wiring Diagram TP1395 Rev B
Wall/Cabinet Mounted Light

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SECTION V
SCHEMATICS AND DIAGRAMS

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SECTION VI
PARTS LIST

6.1 Introduction

The illustrated parts list provides information for identifying and ordering the parts necessary to maintain the unit in peak operating condition. Refer to paragraph 1.5 for parts ordering information.

6.2 Description of Columns

The Item column of the parts list gives a component its own unique number. The same number is given to the component in the parts illustration. This allows a part number of a component to be found if the technician can visually spot the part on the illustration. The technician simply finds the component in question on the illustration and notes the item number of that component. Then, he finds that item number in the parts list. The row corresponding to the item number gives the technician the part number, a description of the component, and quantity of parts per subassembly. Also, if a part number is known, the location of that component can be determined by looking for the item number of the component on the illustration.

The Part No. column lists the Knight part number for that component.

The Description column provides a physical description of the component.

The Qty. column lists the number of units of a particular component that is required for the subassembly. The letters “AR” denote “as required” when quantities of a particular component cannot be determined, such as: adhesive.

Bullets { • } in the Part No. column and the Description column show the indenture level of a component. If a component does not have a bullet, it is a main component of that illustration. If a component has a bullet, it is a subcomponent of the next component listed higher in the parts list than itself that does not have a bullet. Likewise, if a component has two bullets, it is a subcomponent of the next component listed higher in the parts list than itself that has only one bullet.

6.3 Torque Specifications and Important Assembly Notes

When specific assembly torque specifications, measurements, or procedures have been identified by our engineering department as required to assure proper function of the unit, those torque specifications measurements and procedures will be noted on the parts illustrations. Adherence to these requirements is essential.

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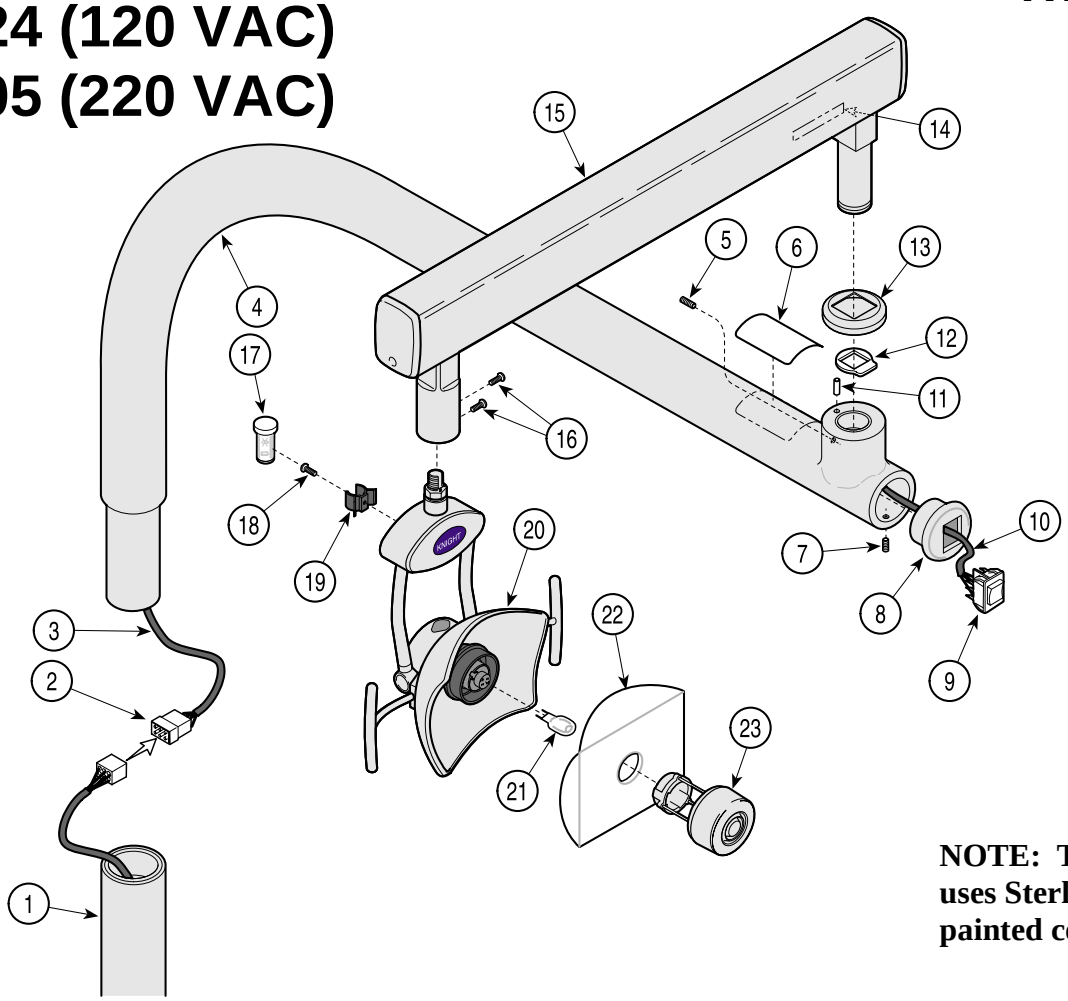
Unit Mounted Light Assembly
152924 (120 VAC)
153005 (220 VAC)



NOTE: This model uses Sterling Grey painted components.

KA984000i

Used on Units with "LL" Serial Number Prefix

Item	Part No.	Description	Qty.
	152924	120 VAC Chair Mounted Light Assembly (Includes Items 1 thru 27)	1
	153005	220 VAC Chair Mounted Light Assembly (Includes Items 1 thru 27)	1
1	• 152919	• Post Assembly (Refer to "Light Arm Mounting Components" Elsewhere)	1
2	• 102060	• 6 Circuit Connector	1
3	• 152500	• Remote Transformer Cable Assembly	1
4	• 153237	• Light Arm Assembly (Incl. Bearings)	1
5	• 122350	• Set Screw (Apply 042-0024-00, Loctite)	1
6	• TPW1376	• Model "L" Rating Plate (120 VAC.)	1
	• TPW1377	• Model "L" Rating Plate (220 VAC.)	1
7	• 106753	• Set Screw	1
8	• 122351-1	• Switch Mounting Cap	1
9	• 121758	• 3 Position Progressive Rocker Switch (Apply Loctite #275275)	1
	• 152508	• Blue Jumper (Not Shown)	1
10	•	• Intensity Switch Cable Assembly	1
11	• 153024	• Light Stop Pin Kit	1
12	• 121677-2	• Light Arm Stop Washer	1
13	• 053-1223-00	• Rotation Stop Cover	1
14	•	• Serial Nameplate	Ref
15	• 152504	• Flex Arm (Refer to "Light Flex Arm Assembly" Elsewhere)	1
16	• 121337-2	• Screw	2
17	• 152507	• Model "L" Spare Bulb	1
18	• 122688	• Wood Screw (Used For Remote Mount)	1
19	• 122639	• Spare Bulb Clip	1
20	• 152481	• Light Head (Refer to "Model 'L' Light Head Assembly" Elsewhere)	1
21	• 121720	• Dental Light Bulb	1
22	• 122845	• Model "L" Safety Shield	1
23	• 152479	• Lamp Shield Assembly	1
24	• TPW1376	• 120 VAC Remote Transformer Wiring Diagram (Note Shown)	1
	• TPW1364	• 220 VAC Remote Transformer Wiring Diagram (Note Shown)	1
25	• 153012	• 120 V. Light Transformer Assembly (Not Shown)	1
	•	• 220 V. Light Transformer Assembly (Not Shown)	1
26	• TP1624	• 120 VAC Curved Arm Wiring Diagram Diagram (Note Shown)	1
	• TP1625	• 220 VAC Curved Arm Wiring Diagram Diagram (Note Shown)	1

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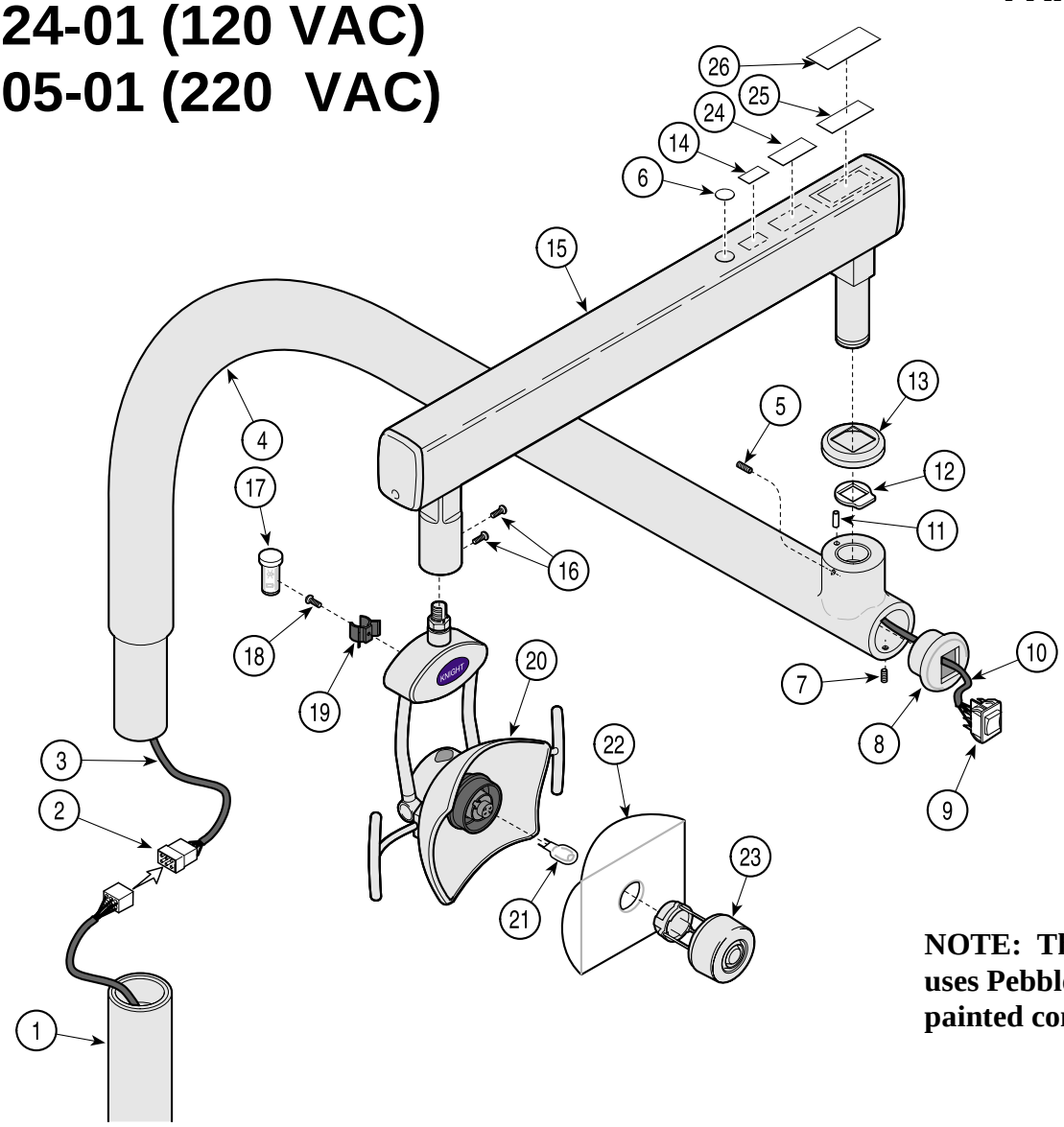
Unit Mounted Light Assembly
152924-01 (120 VAC)
153005-01 (220 VAC)



NOTE: This model uses Pebble Grey painted components.

KA984001i

Used on Units with "PH" Serial Number Prefix

Item	Part No.	Description	Qty.
	152924-01	120 VAC Chair Mounted Light Assembly (Includes Items 1 thru 27)	1
	153005-01	220 VAC Chair Mounted Light Assembly (Includes Items 1 thru 27)	1
1	• 152919-01	• Post Assembly (Refer to "Light Arm Mounting Components" Elsewhere)	1
2	• 102060	• 6 Circuit Connector	1
3	• 152500	• Remote Transformer Cable Assembly	1
4	• 153237-01	• Light Arm Assembly (Incl. Bearings)	1
5	• 122350	• Set Screw (Apply 042-0024-00, Loctite)	1
6	• 061-0652-00	• Type B Label	1
7	• 106753	• Set Screw	1
8	• 122351-50	• Switch Mounting Cap	1
9	• 121758	• 3 Position Progressive Rocker Switch (Apply Loctite #275275)	1
	• 152508	• Blue Jumper (Not Shown)	1
10	•	• Intensity Switch Cable Assembly	1
11	• 153024	• Light Stop Pin Kit	1
12	• 121677-2	• Light Arm Stop Washer	1
13	• 053-1223-01	• Rotation Stop Cover	1
14	• 061-0665-00	• CE Label	1
15	• 152504-01	• Flex Arm (Refer to "Light Flex Arm Assembly" Elsewhere)	1
16	• 121337-2	• Screw	2
17	• 152507	• Model "L" Spare Bulb	1
18	• 122688	• Wood Screw (Used For Remote Mount)	1
19	• 122639	• Spare Bulb Clip	1
20	• 152481-01	• Light Head (Refer to "Model 'L' Light Head Assembly" Elsewhere)	1
21	• 121720	• Dental Light Bulb	1
22	• 122845	• Model "L" Safety Shield	1
23	• 152479-01	• Lamp Shield Assembly	1
24	•	• ETL Label	Ref
25	•	• Serial Number Label	Ref
26	• 061-0741-00	• Clear Laminate (To Cover S/N Label)	1

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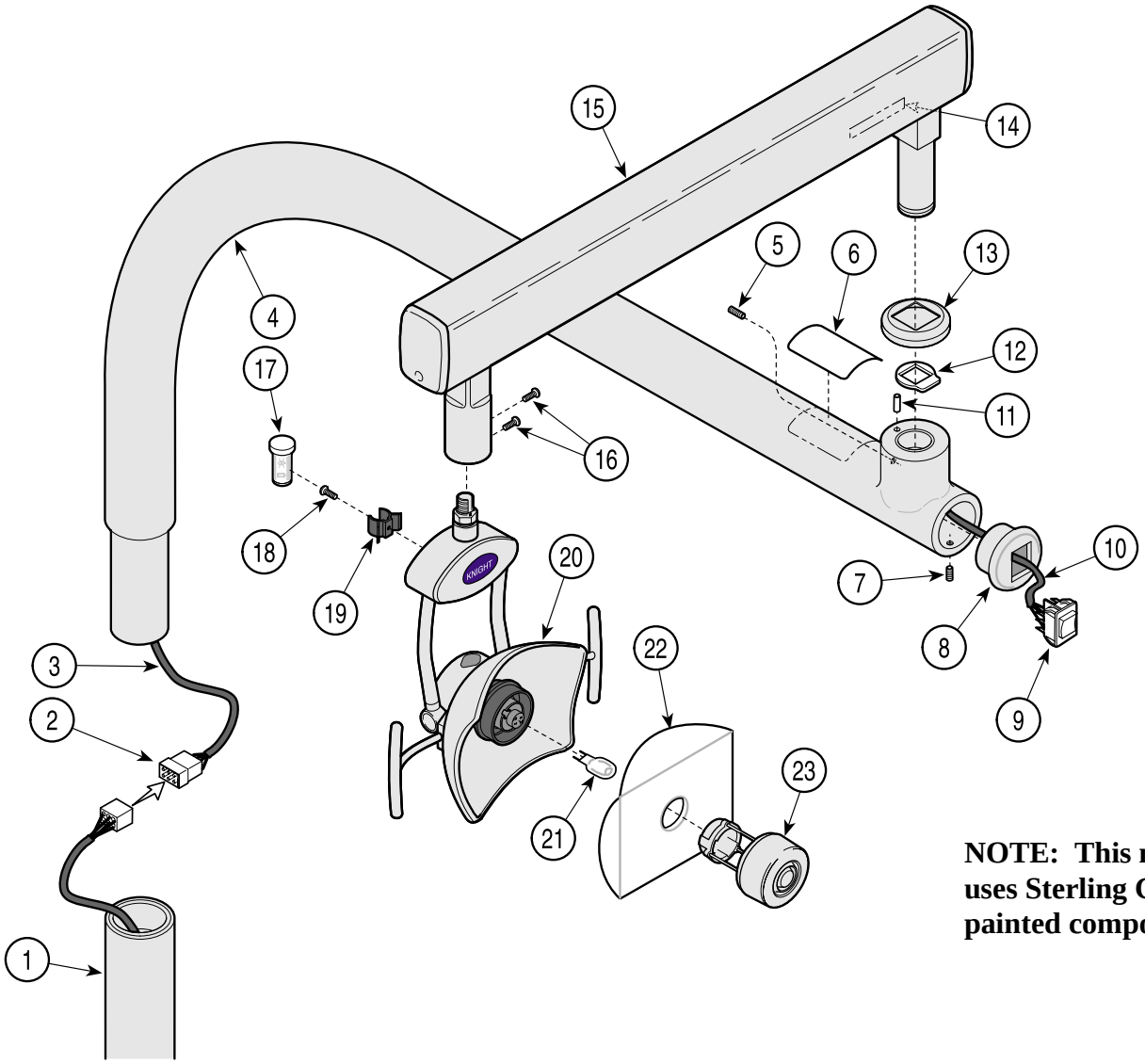
Concept LR Assembly 153144



NOTE: This model uses Sterling Grey painted components.

KA984000i

Used on Units with "LL" Serial Number Prefix

Item	Part No.	Description	Qty.
	153144	Concept LR Light Assembly (Includes Items 1 thru 27)	1
	• 153122	• Light Arm Assembly (Refer to "Light Arm Mounting Components" Elsewhere)	1
2	• 102060	• 6 Circuit Connector	1
3	• 152500	• Remote Transformer Cable Assembly	1
4	• 153237	• Light Arm Assembly (Incl. Bearings)	1
5	• 122350	• Set Screw (Apply 042-0024-00, Loctite)	1
6	• TPW1376	• Model "L" Rating Plate (120 VAC.)	1
7	• 106753	• Set Screw	1
8	• 122351-1	• Switch Mounting Cap	1
9	• 121758	• 3 Position Progressive Rocker Switch (Apply Loctite #275275)	1
	• 152508	• Blue Jumper (Not Shown)	1
10	•	• Intensity Switch Cable Assembly	1
11	• 153024	• Light Stop Pin Kit	1
12	• 121677-2	• Light Arm Stop Washer	1
13	• 122307-1	• Rotation Stop Cover	1
14	•	• Serial Nameplate	Ref
15	• 152504	• Flex Arm (Refer to "Light Flex Arm Assembly" Elsewhere)	1
16	• 121337-2	• Screw	2
17	• 152507	• Model "L" Spare Bulb	1
18	• 122688	• Wood Screw (Used For Remote Mount)	1
19	• 122639	• Spare Bulb Clip	1
20	• 152481	• Light Head (Refer to "Model 'L' Light Head Assembly" Elsewhere)	1
21	• 121720	• Dental Light Bulb	1
22	• 122845	• Model "L" Safety Shield	1
23	• 152479	• Lamp Shield Assembly	1
24	• TPW1376	• 120 VAC Remote Transformer Wiring Diagram (Note Shown)	1
25	• 153012	• 120 V. Light Transformer Assembly (Not Shown)	1
26	• TP1624	• 120 VAC Curved Arm Wiring Diagram Diagram (Note Shown)	1

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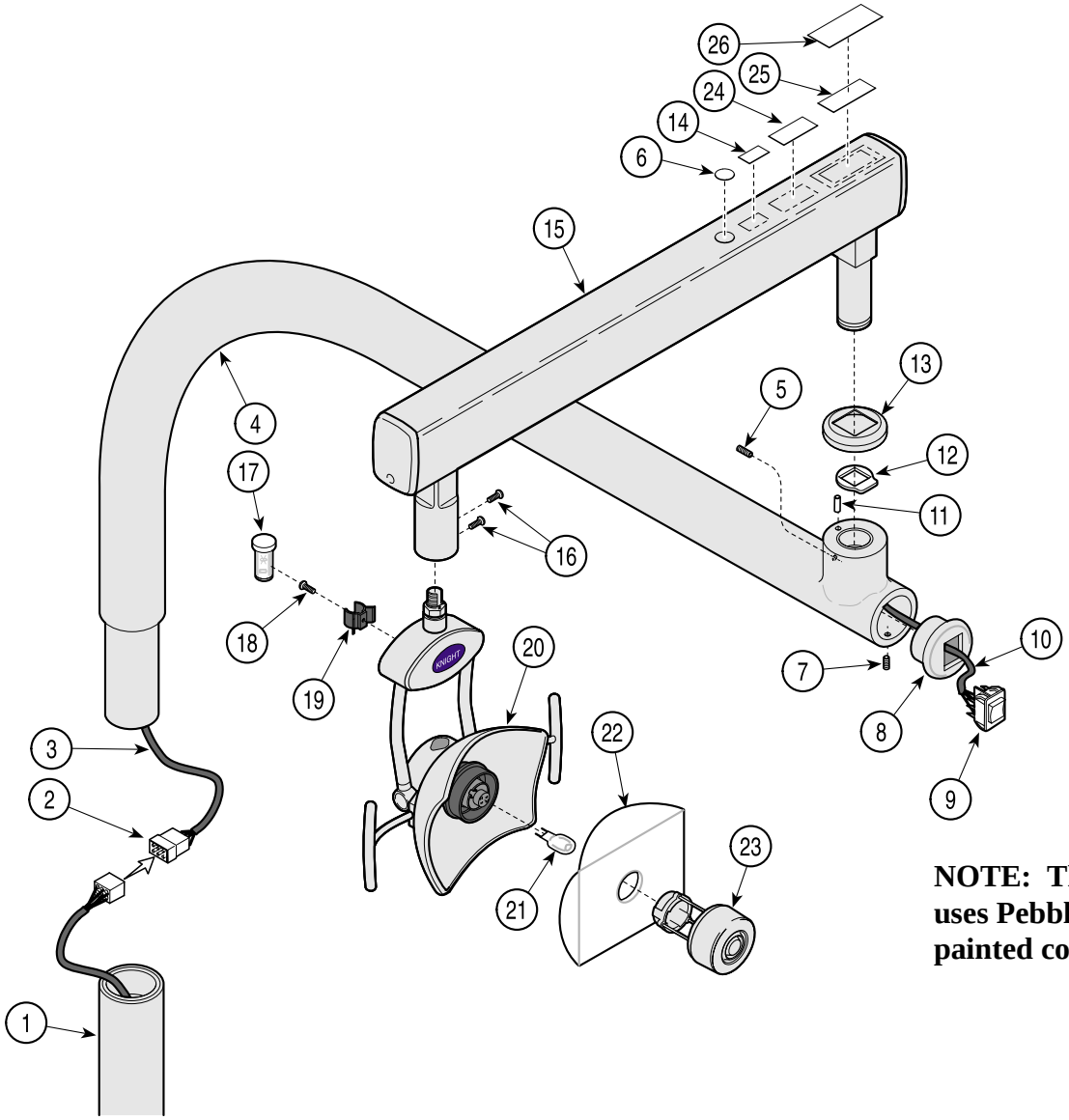
Concept LR Assembly 153144-01



NOTE: This model uses Pebble Grey painted components.

KA984001i

Used on Units with "PH" Serial Number Prefix

Item	Part No.	Description	Qty.
	153144-01	Concept LR Light Assembly (Includes Items 1 thru 27)	1
	• 153122-01	• Light Arm Assembly (Refer to "Light Arm Mounting Components" Elsewhere)	1
2	• 102060	• 6 Circuit Connector	1
3	• 152500	• Remote Transformer Cable Assembly	1
4	• 153237-01	• Light Arm Assembly (Incl. Bearings)	1
5	• 122350	• Set Screw (Apply 042-0024-00, Loctite)	1
6	• 061-0652-00	• Type B Label	1
7	• 106753	• Set Screw	1
8	• 122351-50	• Switch Mounting Cap	1
9	• 121758	• 3 Position Progressive Rocker Switch (Apply Loctite #275275)	1
	• 152508	• Blue Jumper (Not Shown)	1
10	•	• Intensity Switch Cable Assembly	1
11	• 153024	• Light Stop Pin Kit	1
12	• 121677-2	• Light Arm Stop Washer	1
13	• 122307-50	• Rotation Stop Cover	1
14	• 061-0665-00	• CE Label	Ref
15	• 152504-01	• Flex Arm (Refer to "Light Flex Arm Assembly" Elsewhere)	1
16	• 121337-2	• Screw	2
17	• 152507	• Model "L" Spare Bulb	1
18	• 122688	• Wood Screw (Used For Remote Mount)	1
19	• 122639	• Spare Bulb Clip	1
20	• 152481-01	• Light Head (Refer to "Model 'L' Light Head Assembly" Elsewhere)	1
21	• 121720	• Dental Light Bulb	1
22	• 122845	• Model "L" Safety Shield	1
23	• 152479-01	• Lamp Shield Assembly	1
26	•	• ETL Label	Ref
27	•	• Serial Number Label	Ref
28	• 061-0741-00	• Clear Laminate (To Cover S/N Label)	1

Always Specify Model & Serial Number

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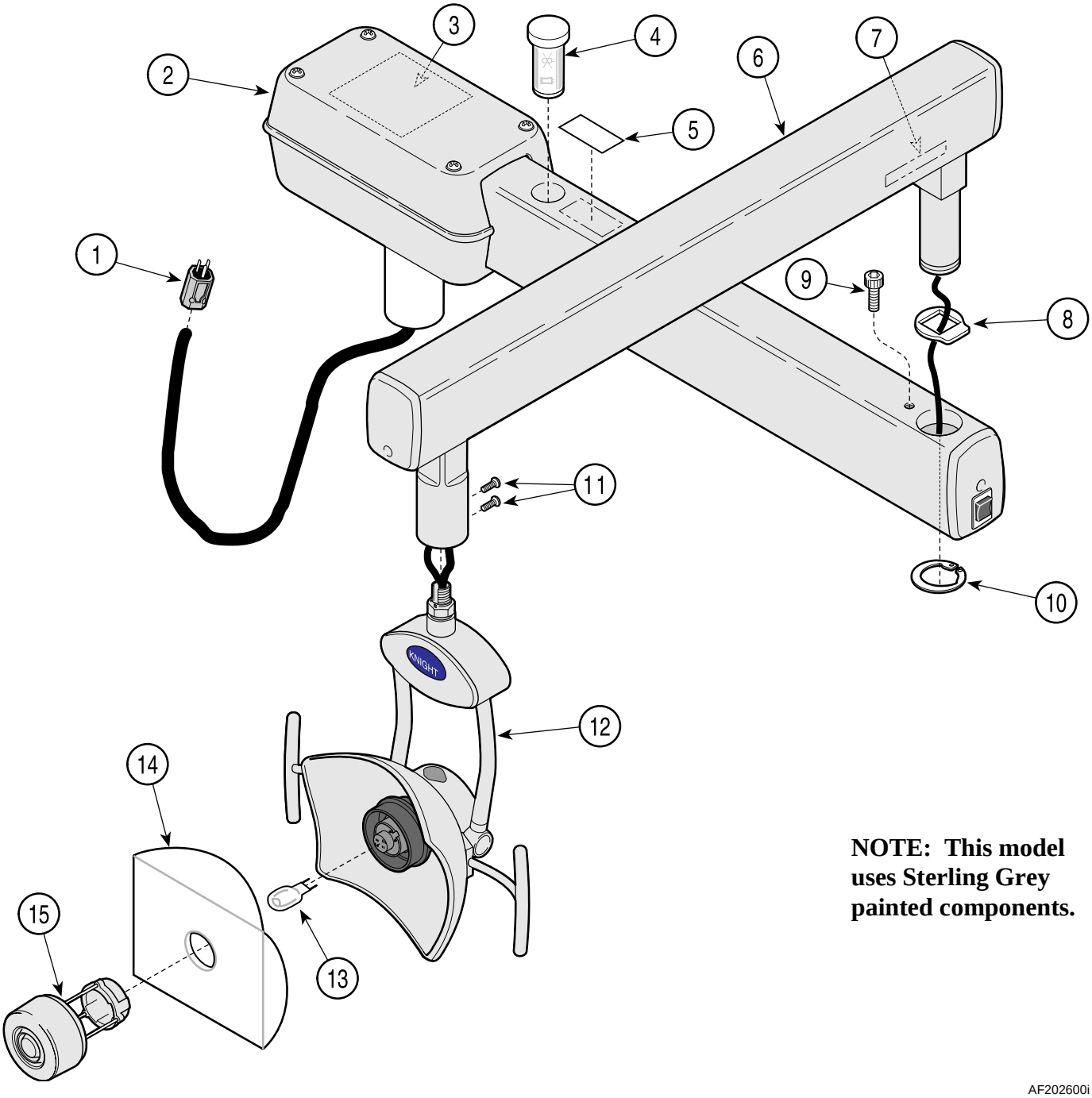
Universal Mounted Light Assembly 152480



NOTE: This model uses Sterling Grey painted components.

AF202600i

Used on Units with "LL" Serial Number Prefix

Item	Part No.	Description	Qty.
	152480	Model "L" 120 VAC Universal Light Assembly (Includes Items 1 thru 15)	1
1	• 110994	• 120 VAC power cord Plug	1
2	• 152482	• 120 VAC Fixed Arm (Refer to "Universal Light Fixed Arm Assy" Elsewhere)	1
3	• TP1365	• 120 VAC Wiring Diagram	1
4	• 152507	• Model "L" Spare Bulb	1
5	• TP1376	• 120 VAC Model "L" Rating Plate	1
6	• 152504	• Flex Arm Assy (Refer to "Light Flex Arm Assy" Elsewhere)	1
7	•	• Serial Nameplate	Ref
8	• 121677-2	• Light Arm Stop Washer	1
9	• 117636	• Stop Rotation Screw Assembly	1
10	• 110065	• Retaining Ring	1
11	• 121337-2	• Screw	2
12	•152481	• Light Head (Refer to "Model 'L' Light Head Assembly" Elsewhere)	1
13	•121720	• Dental Light Bulb	1
14	•122845	• Model "L" Safety Shield	1
15	•152479	• Lamp Shield Assembly	1

Always Specify Model & Serial Number

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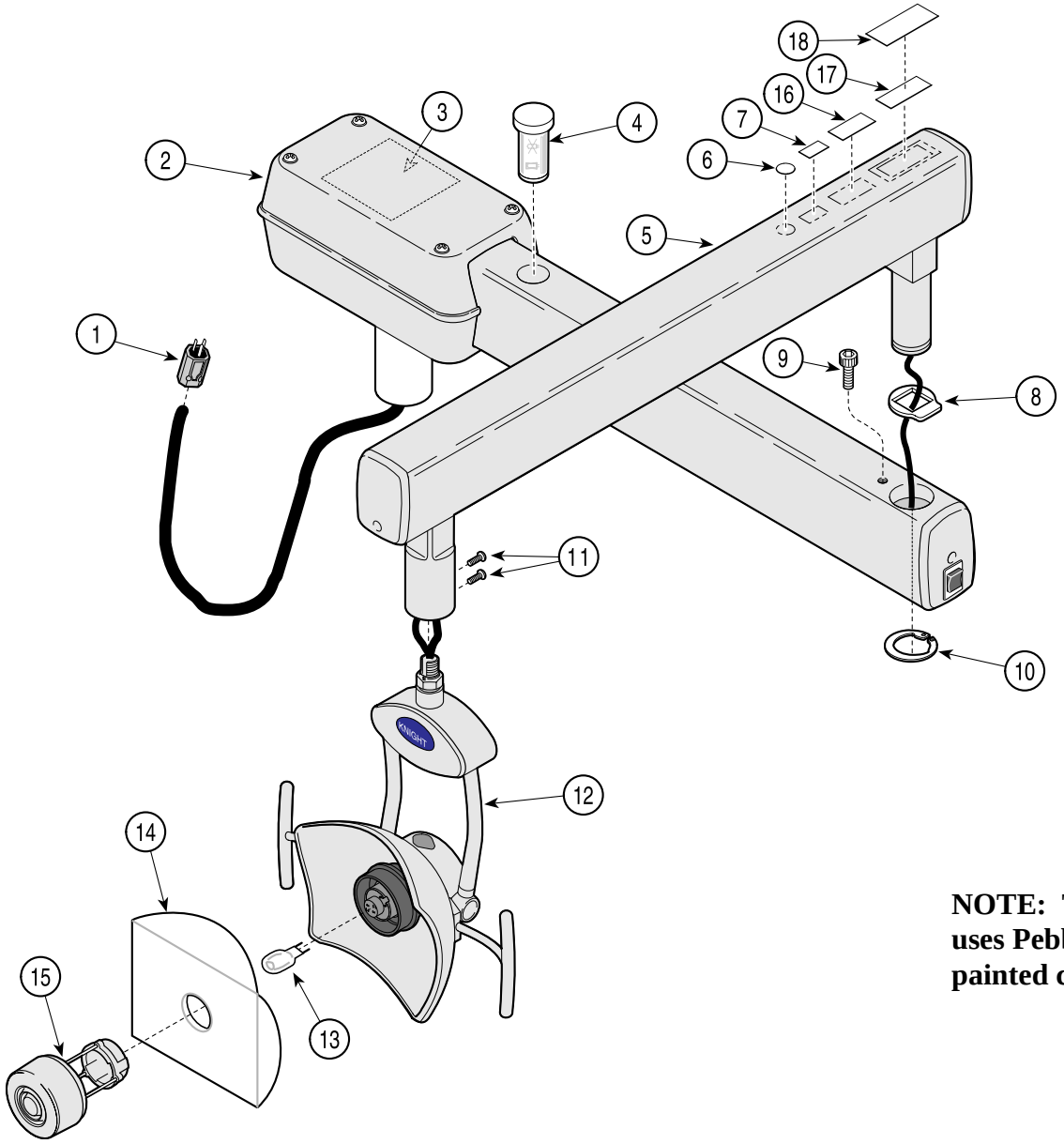
Universal Mounted Light Assembly 152480-01 (120VAC) & 152577-01 (220 VAC)



NOTE: This model uses Pebble Grey painted components.

AF202601i

Used on Units with "PH" Serial Number Prefix

Item	Part No.	Description	Qty.
	152480-01	Model "L" 120 VAC Universal Light Assembly (Includes Items 1 thru 15)	1
	152577-01	Model "L" 220 VAC Universal Light Assm. (Includes Items 1 thru 15 &)	1
1	• 110994	• Power Cord Plug (120 VAC)	1
	• 120374	• Power Cord Plug (220 VAC)	1
2	• 152482-01	• 120 VAC Fixed Arm (Refer to "Universal Light Fixed Arm Assy" Elsewhere)	1
	• 152591-01	• 220 VAC Fixed Arm (Refer to "Universal Light Fixed Arm Assy" Elsewhere)	1
3	• TP1365	• Wiring Diagram (120 VAC)	1
	• TP1406	• Wiring Diagram (220 VAC)	1
4	• 152507	• Model "L" Spare Bulb	1
5	• 152504-01	• Flex Arm Assy (Refer to "Light Flex Arm Assy" Elsewhere)	1
6	• 061-0652-00	• Type B Label	1
7	• 061-0665-00	• CE Label	1
8	• 121677-2	• Light Arm Stop Washer	1
9	• 117636	• Stop Rotation Screw Assembly	1
10	• 110065	• Retaining Ring	1
11	• 121337-2	• Screw	2
12	•152481-01	• Light Head (Refer to "Model 'L' Light Head Assembly" Elsewhere)	1
13	•121720	• Dental Light Bulb	1
14	•122845	• Model "L" Safety Shield	1
15	•152479-01	• Lamp Shield Assembly	1
16	•	• ETL Label	Ref
17	•061-0785-00	• Serial Number Label	1
18	• 061-0741-00	• Clear Laminate (To Cover S/N Label)	1

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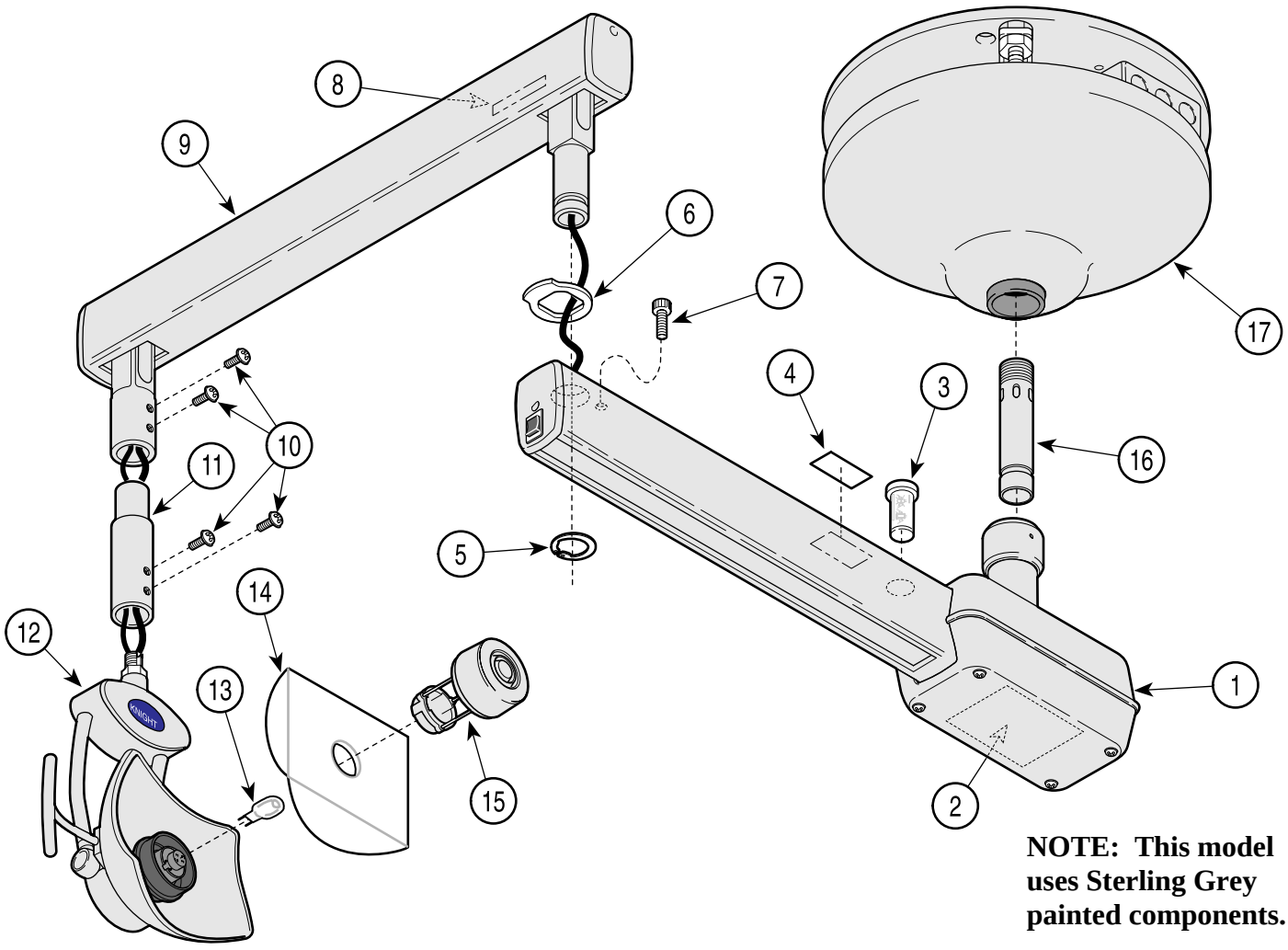
Ceiling Mounted Light Assembly 152567



NOTE: This model uses Sterling Grey painted components.

AF203600

Used on Units with "LL" Serial Number Prefix

Item	Part No.	Description	Qty.
	152567	120 VAC Ceiling Mounted Light Assembly (Includes Items 1 thru 15)	1
1	• 152482	• 120 VAC Fixed Arm (Refer to "Ceiling Light Fixed Arm Assy" Elsewhere)	1
2	• TP1397	• 120 VAC Wiring Diagram	1
3	• 152507	• Model "L" Spare Bulb	1
4	• TP1376	• 120 VAC Model "L" Rating Plate	1
5	• 110065	• Retaining Ring	1
6	• 121677-2	• Light Arm Stop Washer	1
7	• 152786	• Stop Rotation Screw Assembly	1
8	•	• Serial Nameplate	Ref
9	• 152504	• Flex Arm Assy (Refer to "Light Flex Arm Assy" Elsewhere)	1
10	• 121337-2	• Screw	4
11	• 121843-1	• Light Post Extension	1
12	• 152481	• Light Head (Refer to "Model 'L' Light Head Assembly" Elsewhere)	1
13	• 121720	• Dental Light Bulb	1
14	• 122845	• Model "L" Safety Shield	1
15	• 152479	• Lamp Shield Assembly	1
16	152581	7 in. Suspension Tube (7'8"/7/11")	1
	152582	11 in. Suspension Tube (8'0"/8'3")	1
	152583	15 in. Suspension Tube (8'4"/8'7")	1
	152584	19 in. Suspension Tube (8'8"/8'11")	1
	152585	23 in. Suspension Tube (9'0"/9'3")	1
	152586	27 in. Suspension Tube (9'4"/9'7")	1
	152587	31 in. Suspension Tube (9'8"/9'11")	1
	152588	35 in. Suspension Tube (10'0"/10'3")	1
	152589	39 in. Suspension Tube (10'4"/10'7")	1
	152590	43 in. Suspension Tube (10'8"/11'0")	1
17	• 149918	• Tripod Assembly (Refer to "Tripod Assembly" Elsewhere)	1

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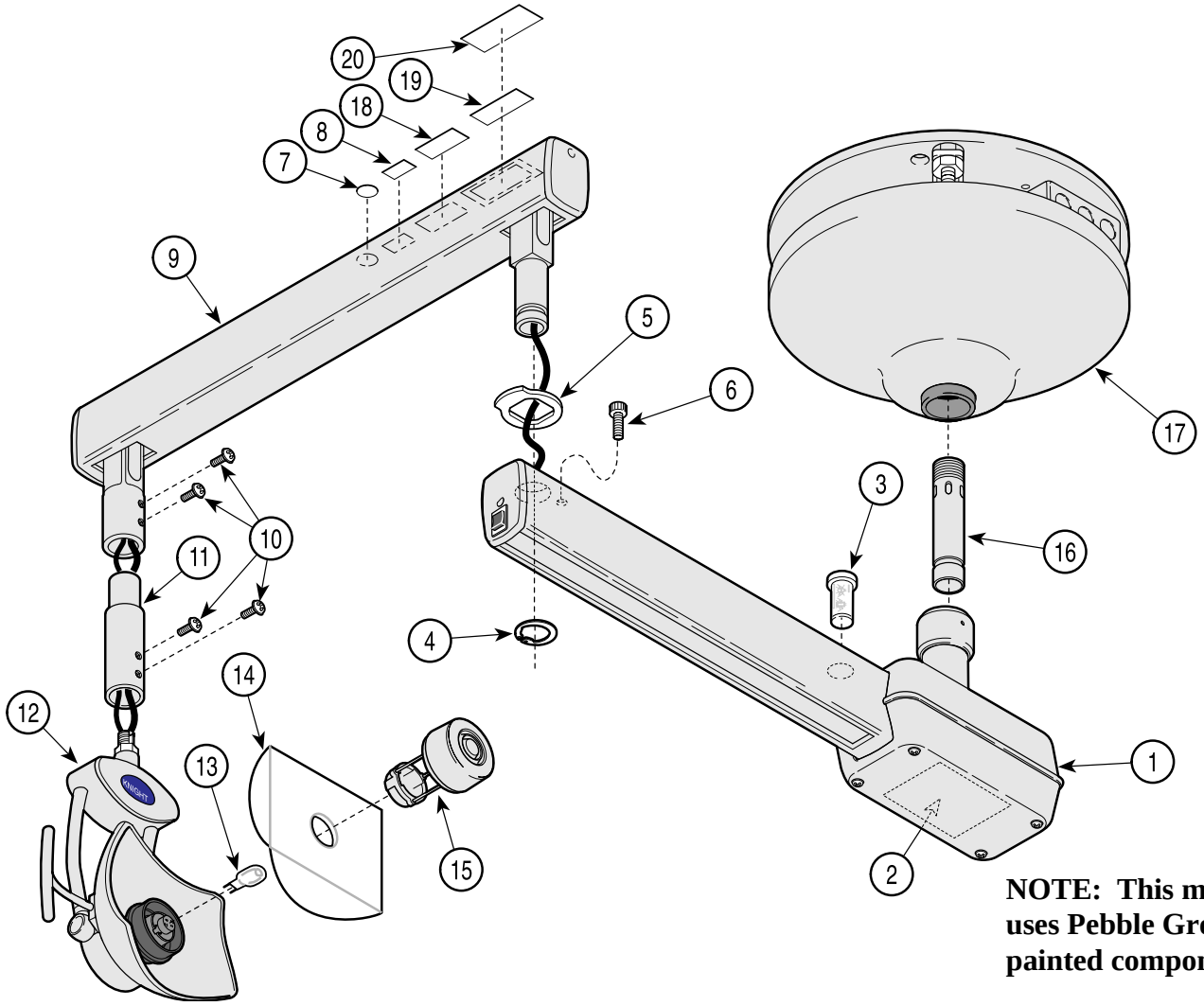
Ceiling Mounted Light Assembly 152567-01 (120 VAC) & 152568-01 (220 VAC)



NOTE: This model uses Pebble Grey painted components.

AF203601i

Used on Units with "PH" Serial Number Prefix

Item	Part No.	Description	Qty.
	152567-01	120 VAC Ceiling Mounted Light Assembly (Includes Items 1 thru 15 & 17)	1
	152568-01	220 VAC Ceiling Mounted Light Assembly (Includes Items 1 thru 15 & 17 thru 19)	1
1	• 152566-01	• 120 VAC Fixed Arm (Refer to "Ceiling Light Fixed Arm Assy" Elsewhere)	1
	• 152592-01	• 220 VAC Fixed Arm (Refer to "Ceiling Light Fixed Arm Assy" Elsewhere)	1
2	• TP1397	• 120 VAC Wiring Diagram	1
	• TP1398	• 220 VAC Wiring Diagram	1
3	• 152507	• Model "L" Spare Bulb	1
4	• 110065	• Retaining Ring	1
5	• 121677-2	• Light Arm Stop Washer	1
6	• 152786	• Stop Rotation Screw Assembly	1
7	• 061-0652-00	• Type B Label	1
8	• 061-0665-00	• CE Label	1
9	• 152504-01	• Flex Arm Assy (Refer to "Light Flex Arm Assy" Elsewhere)	1
10	• 121337-2	• Screw	4
11	• 121843-50	• Light Post Extension	1
12	• 152481-01	• Light Head (Refer to "Model 'L' Light Head Assembly" Elsewhere)	1
13	• 121720	• Dental Light Bulb	1
14	• 122845	• Model "L" Safety Shield	1
15	• 152479-01	• Lamp Shield Assembly	1
16	152581-01	7 in. Suspension Tube (7'8"/7/11")	1
	152582-01	11 in. Suspension Tube (8'0"/8'3")	1
	152583-01	15 in. Suspension Tube (8'4"/8'7")	1
	152584-01	19 in. Suspension Tube (8'8"/8'11")	1
	152585-01	23 in. Suspension Tube (9'0"/9'3")	1
	152586-01	27 in. Suspension Tube (9'4"/9'7")	1
	152587-01	31 in. Suspension Tube (9'8"/9'11")	1
	152588-01	35 in. Suspension Tube (10'0"/10'3")	1
	152589-01	39 in. Suspension Tube (10'4"/10'7")	1
	152590-01	43 in. Suspension Tube (10'8"/11'0")	1
17	• 149918-01	• Tripod Assembly (Refer to "Tripod Assembly" Elsewhere)	1
18	•	• ETL Label	Ref
19	•	• Serial Number Label	Ref
20	• 061-741-00	• Clear Laminate (To Cover S/N Label)	1

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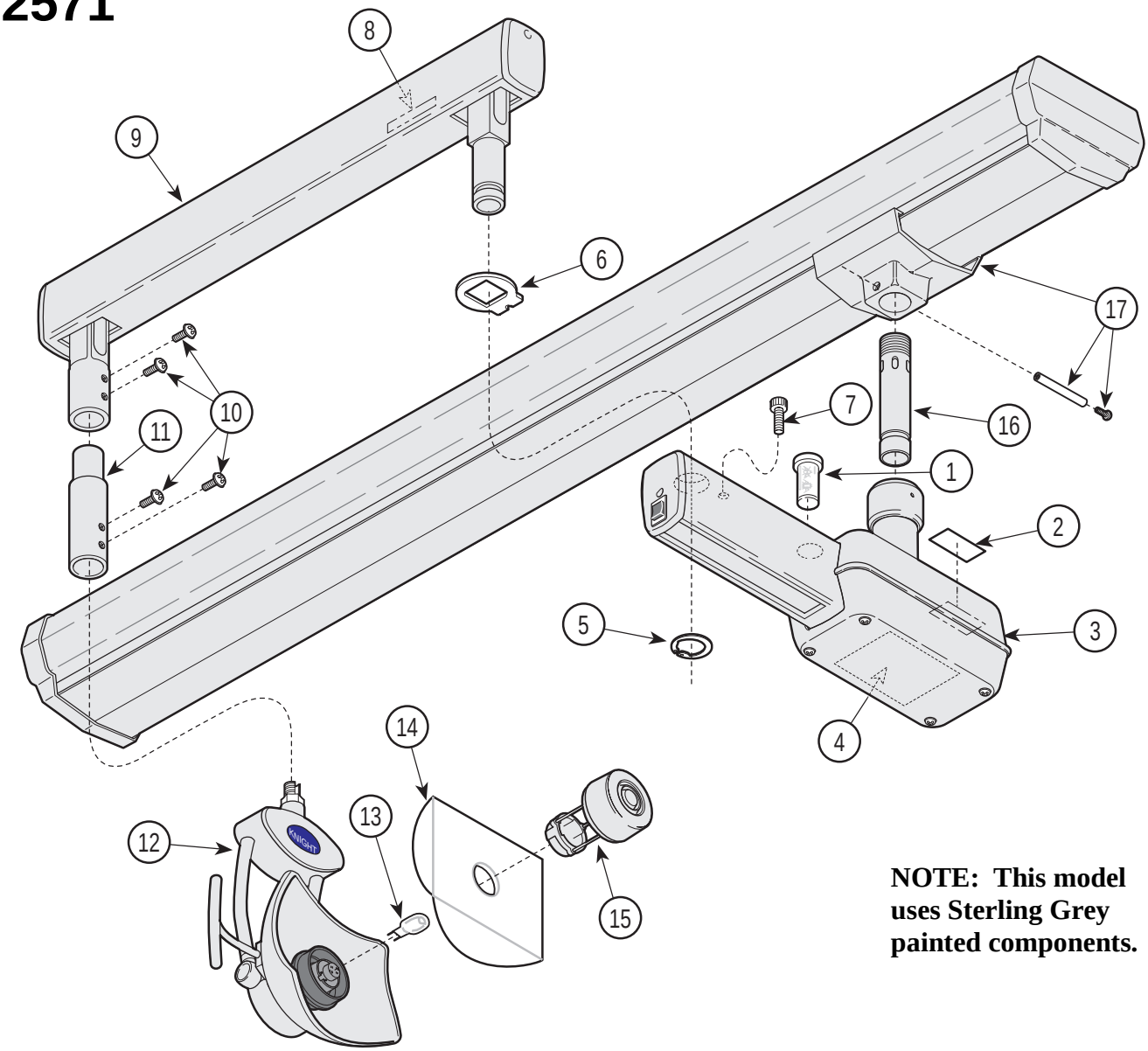
Track Mounted Light Assembly 152571



NOTE: This model uses Sterling Grey painted components.

AF2035

Used on Units with "LL" Serial Number Prefix

Item	Part No.	Description	Qty.
	152571	120 VAC Track Mounted Light Assembly (Includes Items 1 thru 15)	1
1	• 152507	• Model "L" Spare Bulb	1
2	• TP1376	• 120 VAC Model "L" Rating Plate	1
3	• 152576	• 120 VAC Fixed Arm (Refer to "Track Light Fixed Arm Assy" Elsewhere)	1
4	• TP1399	• 120 VAC Wiring Diagram	1
5	• 110065	• Retaining Ring	1
6	• 121861-2	• Light Arm Stop Washer	1
7	• 152786	• Stop Rotation Screw Assembly	1
8	•	• Serial Nameplate	Ref
9	• 152504	• Flex Arm Assy (Refer to "Light Flex Arm Assy" Elsewhere)	1
10	• 121337-2	• Screw	4
11	• 121843-1	• Light Post Extension	1
12	• 152481	• Light Head (Refer to "Model 'L' Light Head Assembly" Elsewhere)	1
13	• 121720	• Dental Light Bulb	1
14	• 122845	• Model "L" Safety Shield	1
15	• 152479	• Lamp Shield Assembly	1
16	152581	7 in. Suspension Tube (7'8"/7/11")	1
	152582	11 in. Suspension Tube (8'0"/8'3")	1
	152583	15 in. Suspension Tube (8'4"/8'7")	1
	152584	19 in. Suspension Tube (8'8"/8'11")	1
	152585	23 in. Suspension Tube (9'0"/9'3")	1
	152586	27 in. Suspension Tube (9'4"/9'7")	1
	152587	31 in. Suspension Tube (9'8"/9'11")	1
	152588	35 in. Suspension Tube (10'0"/10'3")	1
	152589	39 in. Suspension Tube (10'4"/10'7")	1
	152590	43 in. Suspension Tube (10'8"/11'0")	1
17	• 152603	• 120 VAV Track/Trolley (Refer to "Track/Trolley Assembly" Elsewhere)	1

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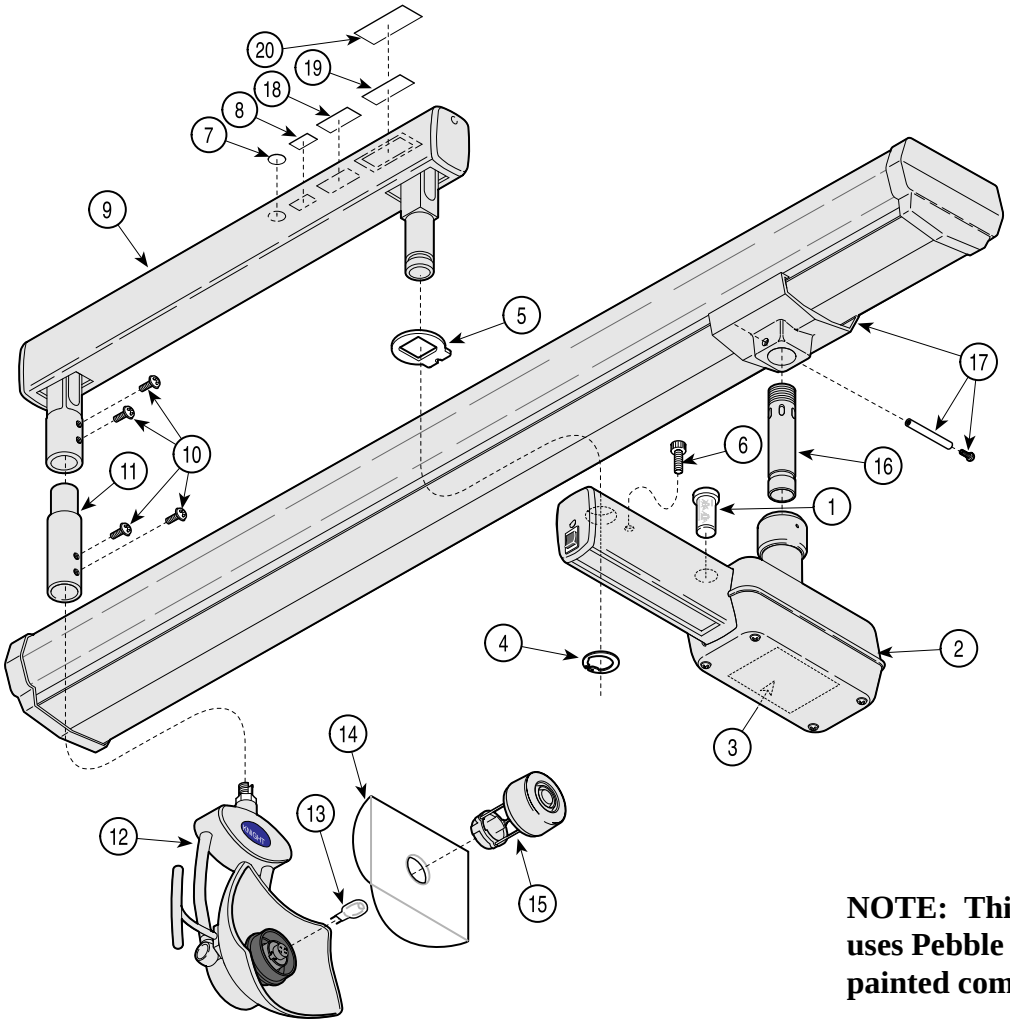
Track Mounted Light Assembly 152571-01 (120 VAC) & 152572-01 (220 VAC)



NOTE: This model uses Pebble Grey painted components.

AF2035

Used on Units with "PH" Serial Number Prefix

Item	Part No.	Description	Qty.
	152571-01	120 VAC Track Mounted Light Assembly (Includes Items 1 thru 15)	1
	152572-01	220 VAC Track Mounted Light Assembly (Includes Items 1 thru 15)	1
1	• 152507	• Model "L" Spare Bulb	1
2	• 152576-01	• 120 VAC Fixed Arm (Refer to "Track Light Fixed Arm Assy" Elsewhere)	1
	• 152612-01	• 220 VAC Fixed Arm (Refer to "Track Light Fixed Arm Assy" Elsewhere)	1
3	• TP1399	• 120 VAC Wiring Diagram	1
	• TP1400	• 220 VAC Wiring Diagram	1
4	• 110065	• Retaining Ring	1
5	• 121861-2	• Light Arm Stop Washer	1
6	• 152786	• Stop Rotation Screw Assembly	1
7	• 061-0652-00	• Type B Label	1
8	• 061-0665-00	• CE Label	1
9	• 152504-01	• Flex Arm Assy (Refer to "Light Flex Arm Assy" Elsewhere)	1
10	• 121337-2	• Screw	4
11	• 121843-50	• Light Post Extension	1
12	• 152481-01	• Light Head (Refer to "Model 'L' Light Head Assembly" Elsewhere)	1
13	• 121720	• Dental Light Bulb	1
14	• 122845	• Model "L" Safety Shield	1
15	• 152479-01	• Lamp Shield Assembly	1
16	152581-01	7 in. Suspension Tube (7'8"/7/11")	1
	152582-01	11 in. Suspension Tube (8'0"/8'3")	1
	152583-01	15 in. Suspension Tube (8'4"/8'7")	1
	152584-01	19 in. Suspension Tube (8'8"/8'11")	1
	152585-01	23 in. Suspension Tube (9'0"/9'3")	1
	152586-01	27 in. Suspension Tube (9'4"/9'7")	1
	152587-01	31 in. Suspension Tube (9'8"/9'11")	1
	152588-01	35 in. Suspension Tube (10'0"/10'3")	1
	152589-01	39 in. Suspension Tube (10'4"/10'7")	1
	152590-01	43 in. Suspension Tube (10'8"/11'0")	1
17	• 152603-01	• 120 VAV Track/Trolley (Refer to "Track/Trolley Assembly" Elsewhere)	1
	• 152609-01	• 220 VAV Track/Trolley (Refer to "Track/Trolley Assembly" Elsewhere)	1
18	•	• ETL Label	Ref
19	•	• Serial Number Label	Ref
20	• 061-0741-00	• Clear Laminate (To Cover S/N Label)	1

Always Specify Model & Serial Number

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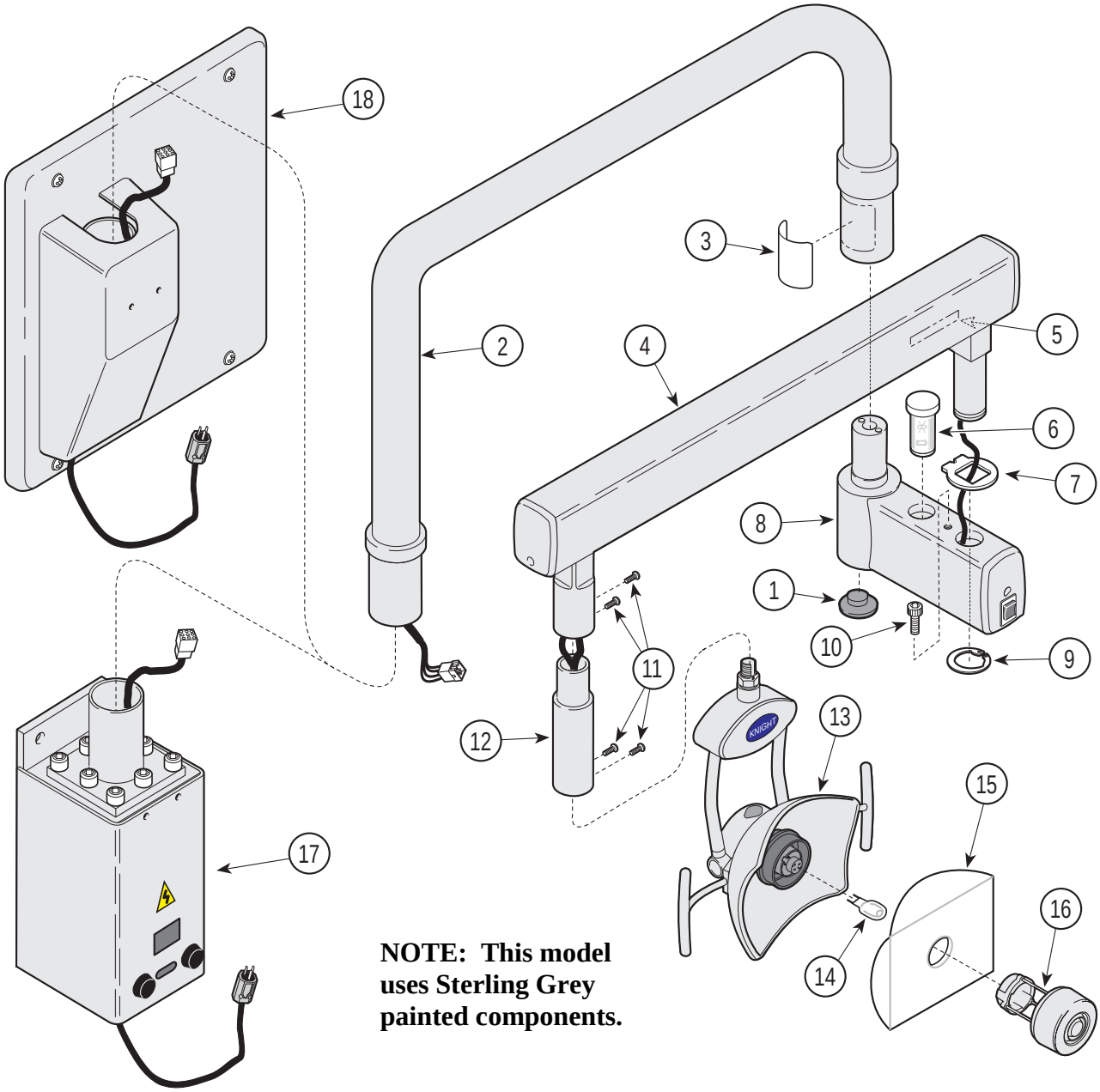
Wall/Cabinet Mounted Light Assembly (Long Arm) 152686



AF2029

Used on Units with "LL" Serial Number Prefix

Item	Part No.	Description	Qty.
	152686	120 VAC wall/Cabinet Mounted Light Assembly (Includes Items 1 thru 16)	1
1	• 121768-1	• Hole Plug	1
2	• 153068	• Light Post Assembly	1
3	• TP1376	• 120 VAC Model "L" Rating Plate	1
4	• 152504	• Flex Arm Assy (Refer to "Light Flex Arm Assy" Elsewhere)	1
5	•	• Serial Nameplate	Ref
6	• 152507	• Model "L" Spare Bulb	1
7	• 121861-2	• Locking Washer	1
8	• 152684	• Fixed Arm Assy (Refer to "Light Fixed Arm Assy" Elsewhere)	1
9	• 110065	• Retaining Ring	1
10	• 152786	• Stop Rotation Screw Assembly	1
11	• 121337-2	• Screw	4
12	• 121843-1	• Light Post Extension	1
13	• 152481	• Light Head (Refer to "Model 'L' Light Head Assembly" Elsewhere)	1
14	• 121720	• Dental Light Bulb	1
15	• 122845	• Model "L" Safety Shield	1
16	• 152479	• Lamp Shield Assembly	1
17	• 152683	• 120 VAC Cabinet Mount Assy (Refer to "Cabinet Mount Assy" Elsewhere)	1
18	• 152544	• 120 VAC Wall Mount Assy (Refer to "Wall Mount Assy" Elsewhere)	1

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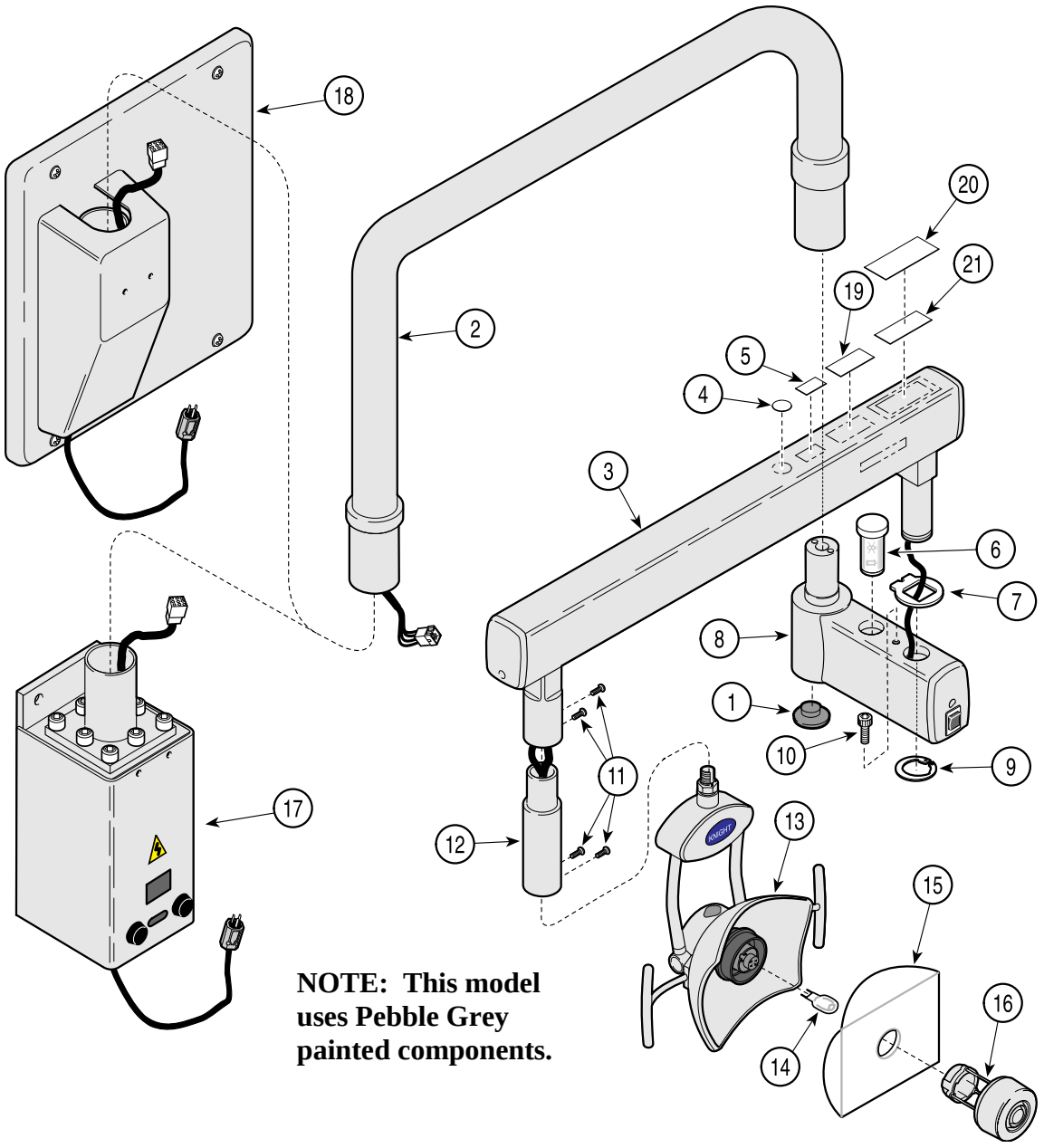
Wall/Cabinet Mounted Light Assembly (Long Arm) 152686-01



AF202901i

Used on Units with "PH" Serial Number Prefix

Item	Part No.	Description	Qty.
	152686-01	120 VAC wall/Cabinet Mounted Light Assembly (Includes Items 1 thru 16)	1
1	• 121768-50	• Hole Plug	1
2	• 153068-01	• Light Post Assembly	1
3	• 152504-01	• Flex Arm Assy (Refer to "Light Flex Arm Assy" Elsewhere)	1
4	• 061-0652-00	• Type B Label	1
5	• 061-0665-00	• CE Label	1
6	• 152507	• Model "L" Spare Bulb	1
7	• 121861-2	• Locking Washer	1
8	• 152684-01	• Fixed Arm Assy (Refer to "Light Fixed Arm Assy" Elsewhere)	1
9	• 110065	• Retaining Ring	1
10	• 152786	• Stop Rotation Screw Assembly	1
11	• 121337-2	• Screw	4
12	• 121843-50	• Light Post Extension	1
13	• 152481-01	• Light Head (Refer to "Model 'L' Light Head Assembly" Elsewhere)	1
14	• 121720	• Dental Light Bulb	1
15	• 122845	• Model "L" Safety Shield	1
16	• 152479-01	• Lamp Shield Assembly	1
17	• 152683-01	• 120 VAC Cabinet Mount Assy (Refer to "Cabinet Mount Assy" Elsewhere)	1
18	• 152544-01	• 120 VAC Wall Mount Assy (Refer to "Wall Mount Assy" Elsewhere)	1
19	•	• ETL Label	Ref
20	•	• Serial Number Label	Ref
21	• 061-0741-00	• Clear Laminate (To Cover S/N Label)	1

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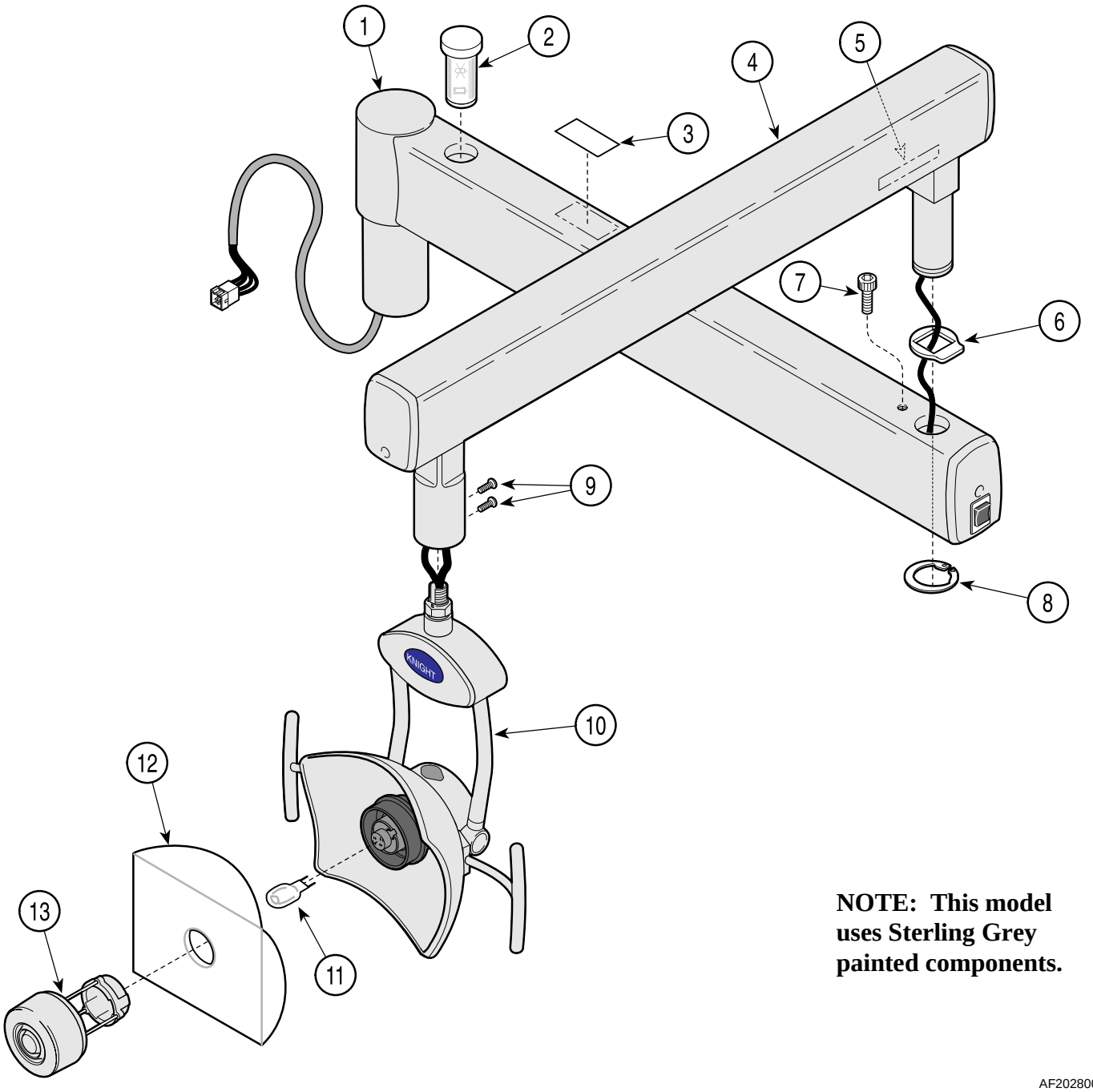
Remote Transformer Unit Light Assembly 152505



NOTE: This model uses Sterling Grey painted components.

AF202800i

Used on Units with "LL" Serial Number Prefix

Item	Part No.	Description	Qty.
	152505	120 VAC Unit Mounted Light Assembly (Includes Items 1 thru 13)	1
1	• 152506	• Fixed Arm Assy (Refer to "Light Fixed Arm Assy" Elsewhere)	1
2	• 152507	• Model "L" Spare Bulb	1
3	• TPW1376	• 120 VAC Model "L" Rating Plate	1
4	• 152504	• Flex Arm Assy (Refer to "Light Flex Arm Assy" Elsewhere)	1
5	•	• Serial Nameplate	Ref
6	• 121677-2	• Light Arm Stop Washer	1
7	• 152786	• Stop Rotation Screw Assembly	1
8	• 110065	• Retaining Ring	1
9	• 121337-2	• Screw	2
10	• 152481	• Light Head (Refer to "Model 'L' Light Head Assembly" Elsewhere)	1
11	• 121720	• Dental Light Bulb	1
12	• 122845	• Model "L" Safety Shield	1
13	• 152479	• Lamp Shield Assembly	1

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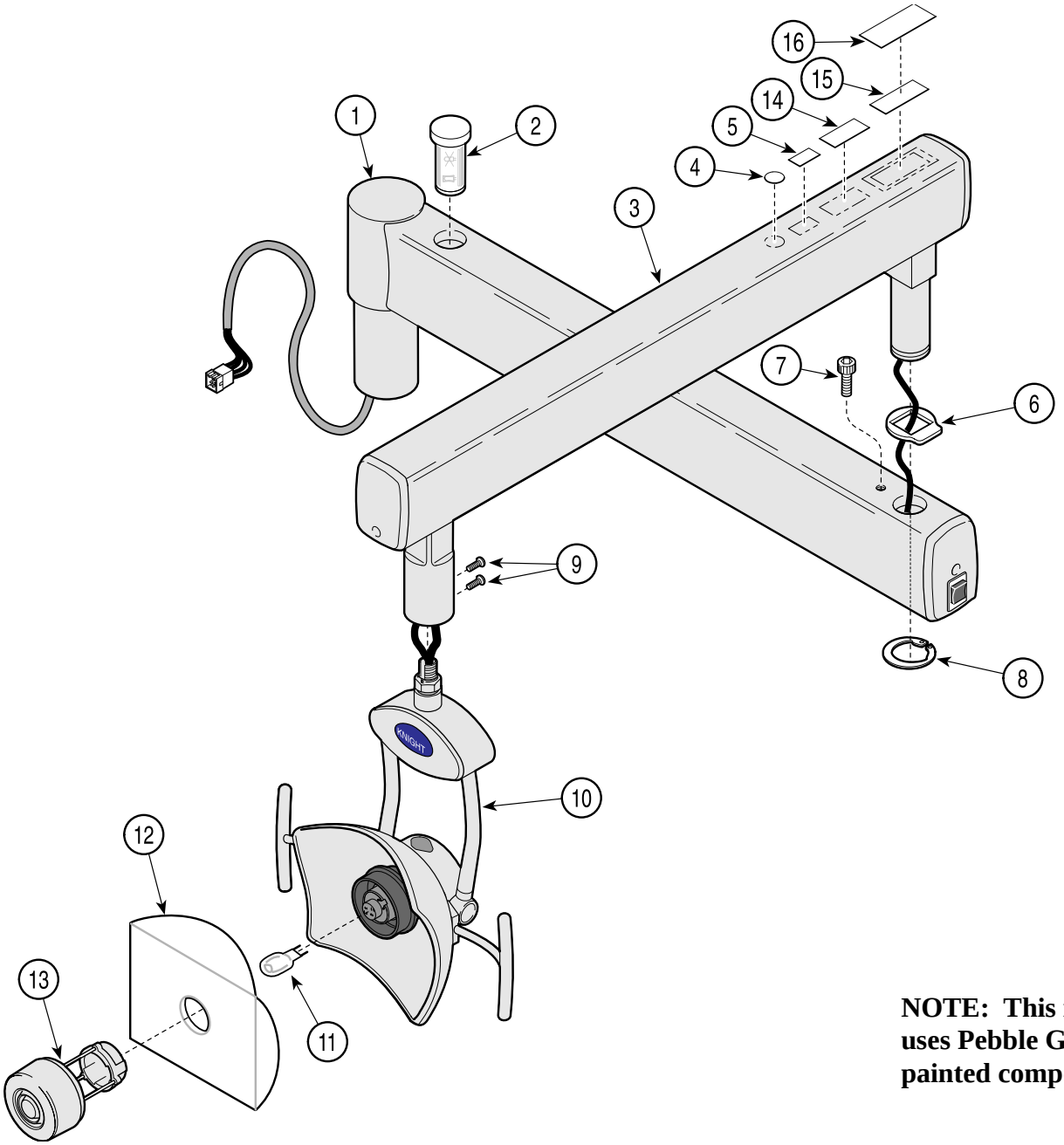
Remote Transformer Unit Light Assembly 152505-01



NOTE: This model uses Pebble Grey painted components.

AF202801i

Used on Units with "PH" Serial Number Prefix

Item	Part No.	Description	Qty.
	152505-01	120 VAC Unit Mounted Light Assembly (Includes Items 1 thru 13)	1
1	• 152506	• Fixed Arm Assy (Refer to "Light Fixed Arm Assy" Elsewhere)	1
2	• 152507	• Model "L" Spare Bulb	1
3	• 152504-01	• Flex Arm Assy (Refer to "Light Flex Arm Assy" Elsewhere)	1
4	• 061-0652-00	• Type B Label	1
5	• 061-0665-00	• CE Label	1
6	• 121677-2	• Light Arm Stop Washer	1
7	• 152786	• Stop Rotation Screw Assembly	1
8	• 110065	• Retaining Ring	1
9	• 121337-2	• Screw	2
10	• 152481-01	• Light Head (Refer to "Model 'L' Light Head Assembly" Elsewhere)	1
11	• 121720	• Dental Light Bulb	1
12	• 122845	• Model "L" Safety Shield	1
13	• 152479-01	• Lamp Shield Assembly	1
14	•	• ETL Label	Ref
15	•	• Serial Number Label	Ref
16	• 061-0741-00	• Clear Laminate (To Cover S/N Label)	1

Always Specify Model & Serial Number

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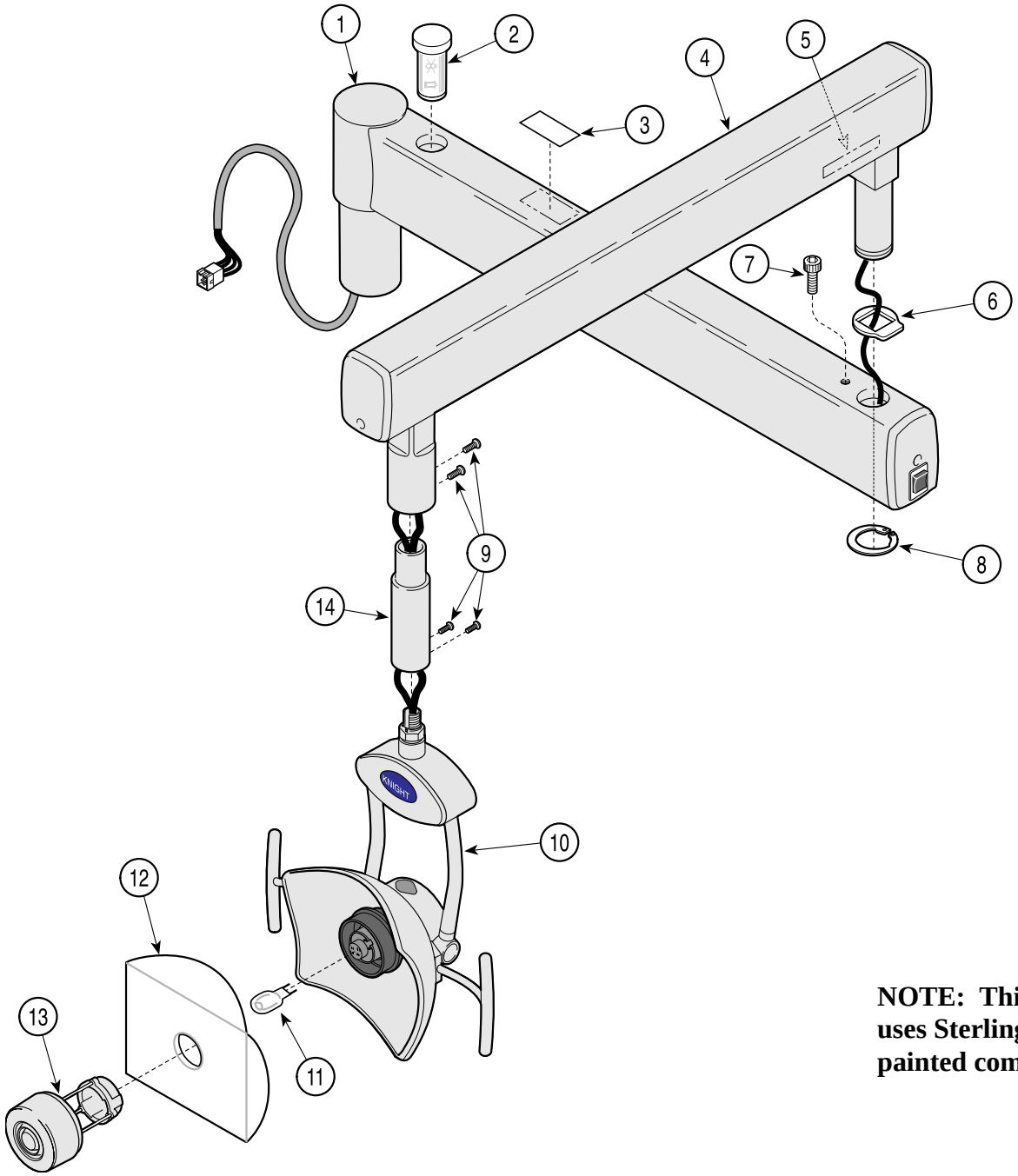
Wall/Cabinet Mounted Light Assembly (Short Arm) 152569



NOTE: This model uses Sterling Grey painted components.

AF203800i

Used on Units with "LL" Serial Number Prefix

Item	Part No.	Description	Qty.
	152569	120 VAC Wall Mounted Light Assembly (Includes Items 1 thru 14)	1
1	• 152506	• Fixed Arm Assy (Refer to "Light Fixed Arm Assy" Elsewhere)	1
2	• 152507	• Model "L" Spare Bulb	1
3	• TP1376	• 120 VAC Model "L" Rating Plate	1
4	• 152504	• Flex Arm Assy (Refer to "Light Flex Arm Assy" Elsewhere)	1
5	•	• Serial Nameplate	Ref
6	• 121677-2	• Light Arm Stop Washer	1
7	• 152786	• Stop Rotation Screw Assembly	1
8	• 110065	• Retaining Ring	1
9	• 121337-2	• Screw	4
10	• 152481	• Light Head (Refer to "Model 'L' Light Head Assembly" Elsewhere)	1
11	• 121720	• Dental Light Bulb	1
12	• 122845	• Model "L" Safety Shield	1
13	• 152479	• Lamp Shield Assembly	1
14	• 121834-1	• Light Post Extension	1

Always Specify Model & Serial Number

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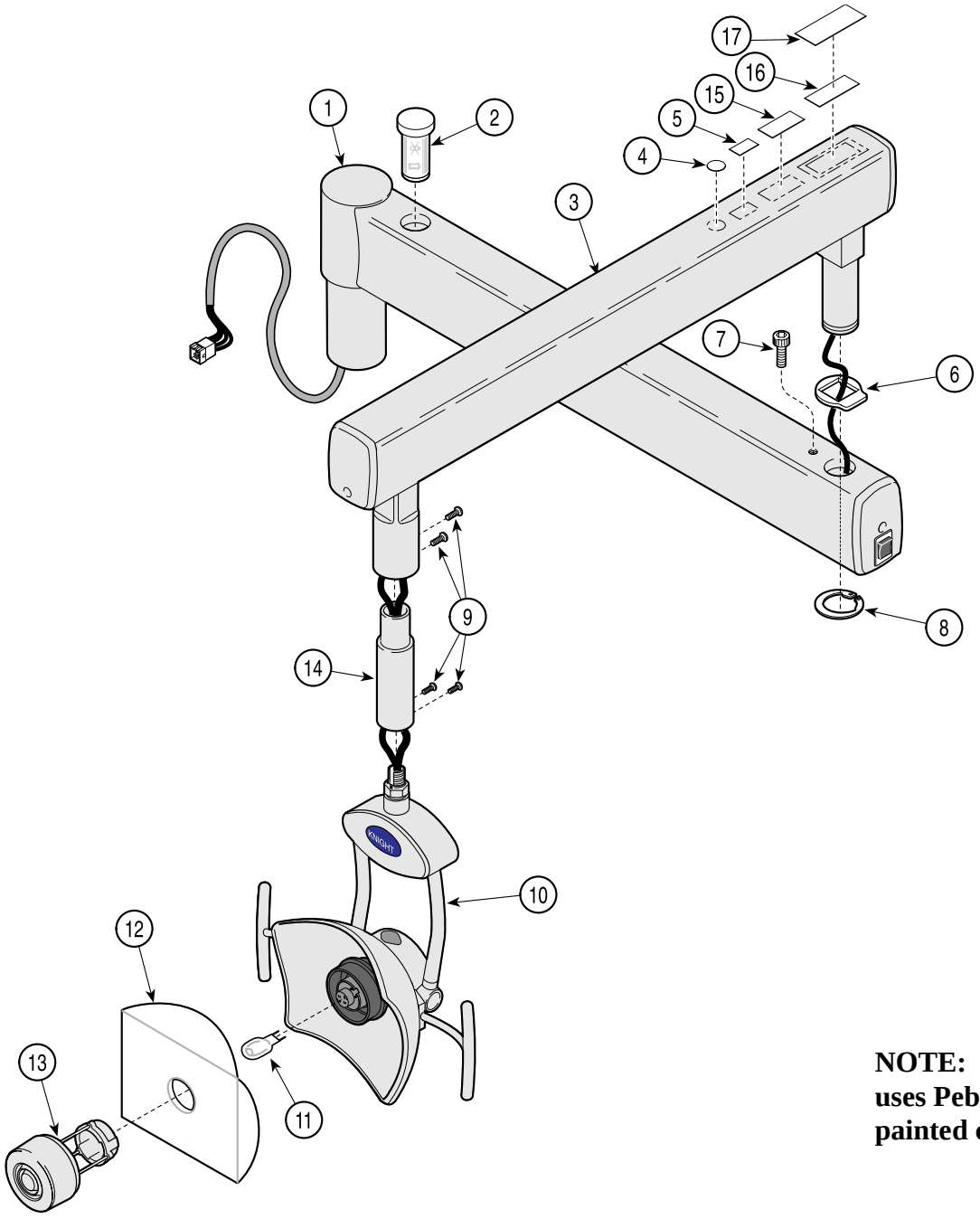
Wall/Cabinet Mounted Light Assembly (Short Arm) 152569-01



NOTE: This model uses Pebble Grey painted components.

AF2038001i

Used on Units with "PH" Serial Number Prefix

Item	Part No.	Description	Qty.
	152569-01	120 VAC Wall Mounted Light Assembly (Includes Items 1 thru 14)	1
1	• 152506	• Fixed Arm Assy (Refer to "Light Fixed Arm Assy" Elsewhere)	1
2	• 152507	• Model "L" Spare Bulb	1
3	• 152504-01	• Flex Arm Assy (Refer to "Light Flex Arm Assy" Elsewhere)	1
4	• 061-0652-00	• Type B Label	1
5	• 061-0665-00	• CE Label	1
6	• 121677-2	• Light Arm Stop Washer	1
7	• 152786	• Stop Rotation Screw Assembly	1
8	• 110065	• Retaining Ring	1
9	• 121337-2	• Screw	4
10	• 152481-01	• Light Head (Refer to "Model 'L' Light Head Assembly" Elsewhere)	1
11	• 121720	• Dental Light Bulb	1
12	• 122845	• Model "L" Safety Shield	1
13	• 152479-01	• Lamp Shield Assembly	1
14	• 121834-50	• Light Post Extension	1
15	•	• ETL Label	Ref
16	•	• Serial Number Label	Ref
17	• 061-0741-00	• Clear Laminate	1

Always Specify Model & Serial Number

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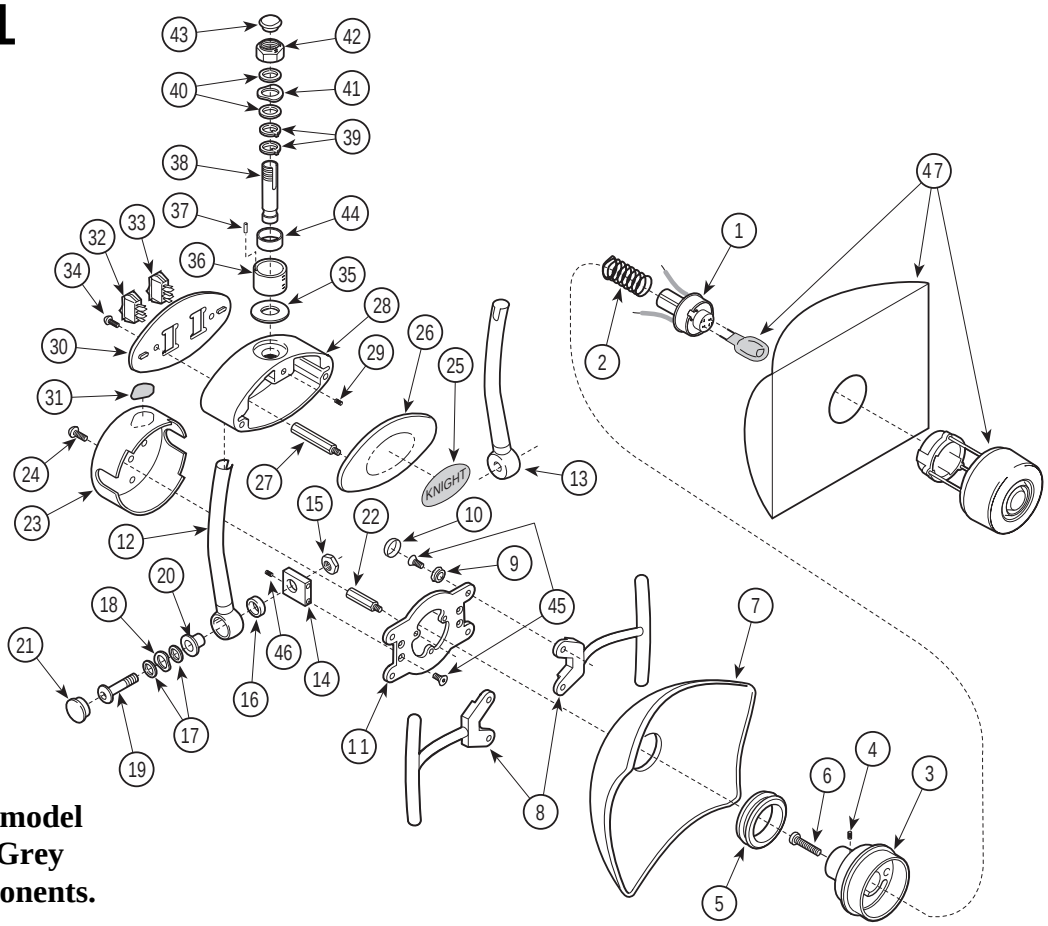
Light Head Assembly 152481



NOTE: This model uses Sterling Grey painted components.

AF2018

Used on Units with "LL" Serial Number Prefix

Item	Part No.	Description	Qty.
	152481	Model "L" Light Head Assembly (Includes Items 1 thru 44)	
1	• 152485	• Lamp Holder Assembly	1
2	• 114040	• Compression Spring	1
3	• 121579-2	• Lens Support Housing	1
4	• 116566	• Set Screw	3
5	• 104847	• Grommet	1
6	• 109104	• Socket Head Screw	1
7	• 152615	• Reflector Kit	1
8	• 122822-1	• Light Handle Assembly	2
9	• 121799	• Screw Base	4
10	• 122798	• Screw Cover	4
	153268	Bumper Kit (Includes Items 9, 10 & 45)	1
11	• 121681-1	• Light Head Pivot Frame	4
12	• 152484-1	• LH Light Head Strut Assembly	1
13	• 152483-1	• RH Light Head Strut Assembly	1
14	• 121682-2	• Light Head Pivot Block	2
15	• 121699	• Hex Jam Nut	2
16	• 121701	• Light Head Pivot Spacer	2
17	• 121693-3	• Flat Washer	4
18	• 117706	• Washer	2
19	• 121809-2	• Light Head Pivot Stud	2
20	• 121562-3	• Light Pivot Bushing	2
21	• 121673-1	• Light Head Pivot Cap	2
22	• 121675	• Standoff	3
23	• 121564	• Light Head Cover	1
24	• 121697-1	• Screw	3
25	• 121527	• Small Logo	1
26	• 121615-6	• Light Front Cover	1
27	• 121674	• Standoff	2
28	• 121683-1	• Light Head Switches Housing	1
29	• 121700	• Screw	6
30	• 121614-1	• Light Switch Mounting Cover	1
31	• TPW1450	• Bilingual Warning Label	1
32	• 121664	• SPDT On/Off/Auto Switch	1
	153248	Light Switch Kit (Replaces 2 Position with 3 Position Switch on Older Units)	1
33	• 121665	• SPDT Composite Switch	1
34	• 121698-1	• Screw	2
35	• 121679	• Washer	1
36	• 121568-2	• Bearing Support Sleeve	1
37	• 121567	• Chamfered Straight Pin	1
38	• 121680-2	• Light Head Swivel Pin	1
39	• 115657-3	• Pivot Pin Stop	2
40	• 113451	• Bearing Washer	2
41	• C5593	• Washer	1
42	• 113429-2	• Hex Lock Nut	1
43	• 117604	• Grommet	1
44	• 121678	• Sleeve Bearing	1
45	• 122815	• Screw	4
46	• 116566	• Set Screw	2
47		• Bulb and Shield Components (Refer to Model "L" Universal Light Assembly" Elsewhere)	Ref

Always Specify Model & Serial Number

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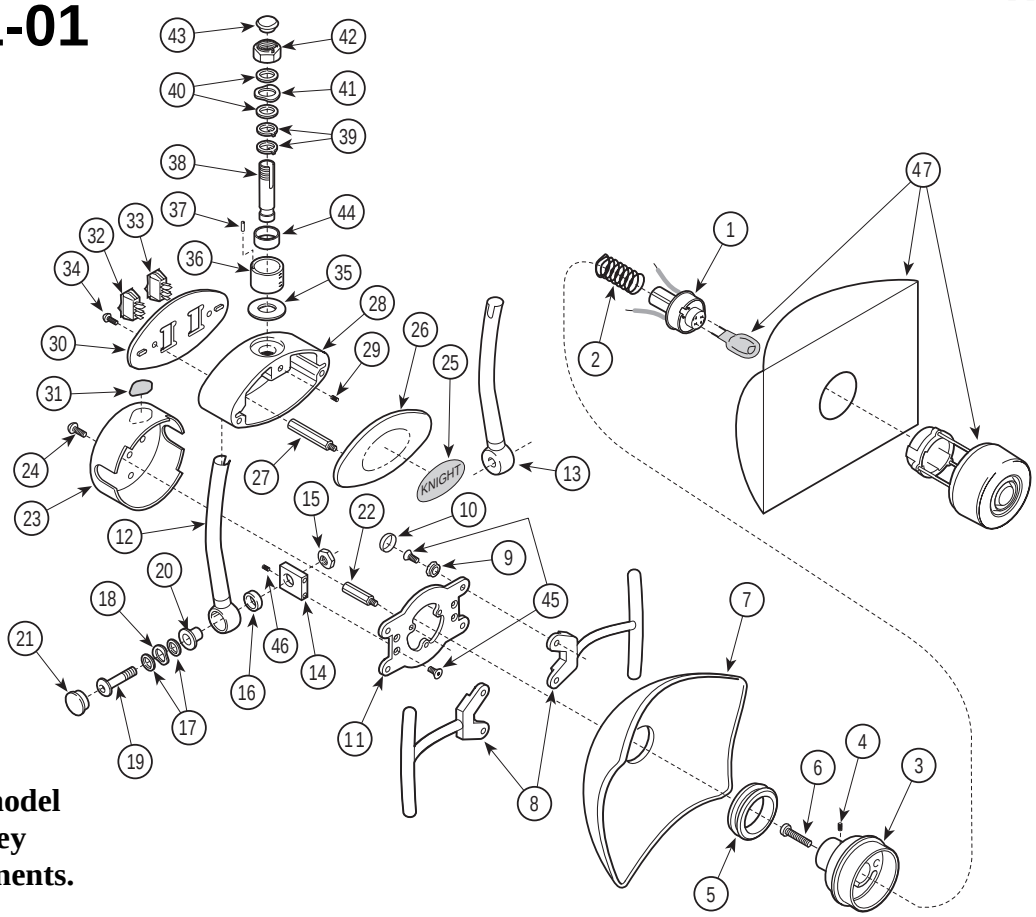
Light Head Assembly 152481-01



NOTE: This model uses Pebble Grey painted components.

AF2018

Used on Units with "PH" Serial Number Prefix

Item	Part No.	Description	Qty.
	152481-01	Model "L" Light Head Assembly (Includes Items 1 thru 44)	
1	• 152485	• Lamp Holder Assembly	1
2	• 114040	• Compression Spring	1
3	• 121579-2	• Lens Support Housing	1
4	• 116566	• Set Screw	3
5	• 104847	• Grommet	1
6	• 109104	• Socket Head Screw	1
7	• 152615	• Reflector Kit	1
8	• 122822-50	• Light Handle Assembly	2
9	• 121799	• Screw Base	4
10	• 122798-01	• Screw Cover	4
	153268	Bumper Kit (Includes Items 9, 10 & 45)	1
11	• 121681-50	• Light Head Pivot Frame	4
12	• 152484-50	• LH Light Head Strut Assembly	1
13	• 152483-50	• RH Light Head Strut Assembly	1
14	• 121682-2	• Light Head Pivot Block	2
15	• 121699	• Hex Jam Nut	2
16	• 121701	• Light Head Pivot Spacer	2
17	• 121693-3	• Flat Washer	4
18	• 117706	• Washer	2
19	• 121809-2	• Light Head Pivot Stud	2
20	• 121562-3	• Light Pivot Bushing	2
21	• 121673-50	• Light Head Pivot Cap	2
22	• 121675	• Standoff	3
23	• 121564	• Light Head Cover	1
24	• 121697-50	• Screw	3
25	• 061-0771-00•	Small Logo	1
26	• 121615-50	• Light Front Cover	1
27	• 121674	• Standoff	2
28	• 121683-50	• Light Head Switches Housing	1
29	• 121700	• Screw	6
30	• 121614-50	• Light Switch Mounting Cover	1
31	• TPW1450	• Bilingual Warning Label	1
32	• 121664	• SPDT On/Off/Auto Switch	1
	153248	Light Switch Kit (Replaces 2 Position with 3 Position Switch on Older Units)	1
33	• 121665	• SPDT Composite Switch	1
34	• 121698-50	• Screw	2
35	• 121679	• Washer	1
36	• 121568-2	• Bearing Support Sleeve	1
37	• 121567	• Chamfered Straight Pin	1
38	• 121680-2	• Light Head Swivel Pin	1
39	• 115657-3	• Pivot Pin Stop	2
40	• 113451	• Bearing Washer	2
41	• C5593	• Washer	1
42	• 113429-2	• Hex Lock Nut	1
43	• 117604	• Grommet	1
44	• 121678	• Sleeve Bearing	1
45	• 122815	• Screw	4
46	• 116566	• Set Screw	2
47		• Bulb and Shield Components (Refer to Model "L" Universal Light Assembly" Elsewhere)	Ref

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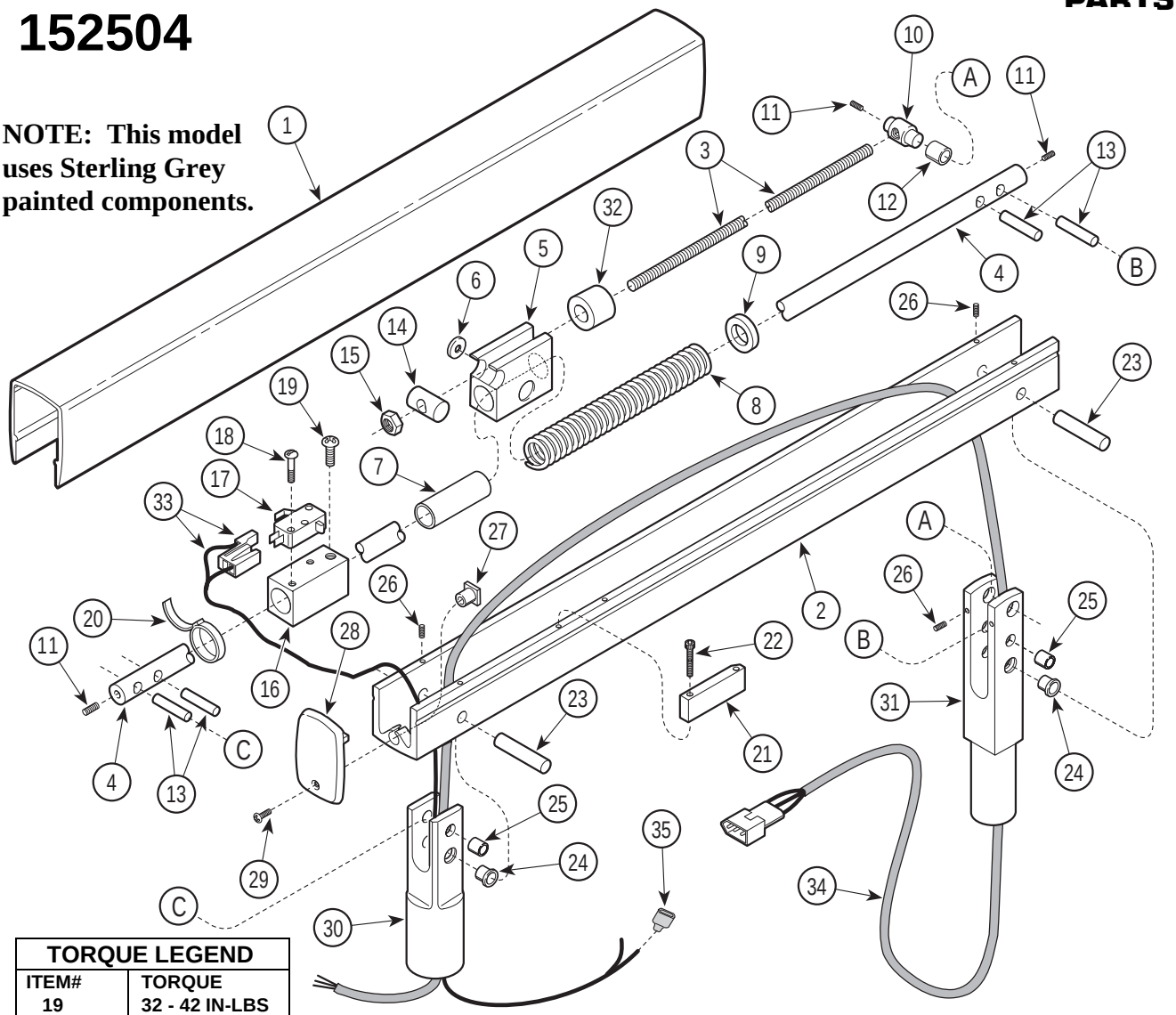
Light Flex Arm Assembly 152504

NOTE: This model uses Sterling Grey painted components.



TORQUE LEGEND	
ITEM#	TORQUE
19	32 - 42 IN-LBS (3.6 - 4.7 N•M)

AF2019

Used on Units with "LL" Serial Number Prefix

Item	Part No.	Description	Qty.
	152504	Light Flex Arm Assembly (Includes Items 1 thru 35)	
1	• 121723-1	• Light Flex Arm Cover	1
2	• 121722-1	• Light Flex Arm Channel	1
3	• 121742	• Threaded Rod	1
4	• 121712	• Light Flex Arm Shaft	1
5	• 121737-2	• Spring Retainer Block	1
6	• 121741	• Spring Guide Pad	2
7	• 121738	• Spring Retainer Block Bushing	1
8	• 121729	• Compression Spring	1
9	• 121725-2	• Spring Support Washer	1
10	• 122995	• Spring Rod Pin	1
11	• 110790	• Screw	3
12	• 122997	• Sleeve Bearing	2
13	• 121727	• Dowel Pin (Apply Loctite #K906111)	4
14	• 121735-2	• Spring Retainer Pin	1
15	• C1269	• Hex Nut	1
16	• 121739-2	• Switch Mounting Block	1
17	• 146978	• Micro Switch	1
18	• 122806	• Screw	2
19	• 040-0010-126	• Screw	4
20	• 115896	• Cable Tie	2
21	• 121740-2	• Switch Acuator Block	1
22	• 118653	• Screw	2
23	• 121728	• Dowel Pin (Apply Loctite #K906111)	2
24	• 121716	• Flange Bearing	4
25	• 121714	• Sleeve Bearing	4
26	• 121747	• Set Screw	6
27	• 121724	• Threaded Insert	2
28	• 121726-1	• Flex Arm End Cap	2
29	• 121697-1	• Screw	2
30	• 121565-1	• Flex Arm Light Head Post	1
31	• 121713-1	• Flex Arm End Post	1
32	• 122487	• Rod Dampener	1
33	• 152502	• Auto ON/OFF Wire Assembly (Refer to "Wiring Diagram" Elsewhere)	1
34	• 152501	• Light Arm Cable Assembly (Refer to "Wiring Diagram" Elsewhere)	1
35	• 122753	• Terminal	4

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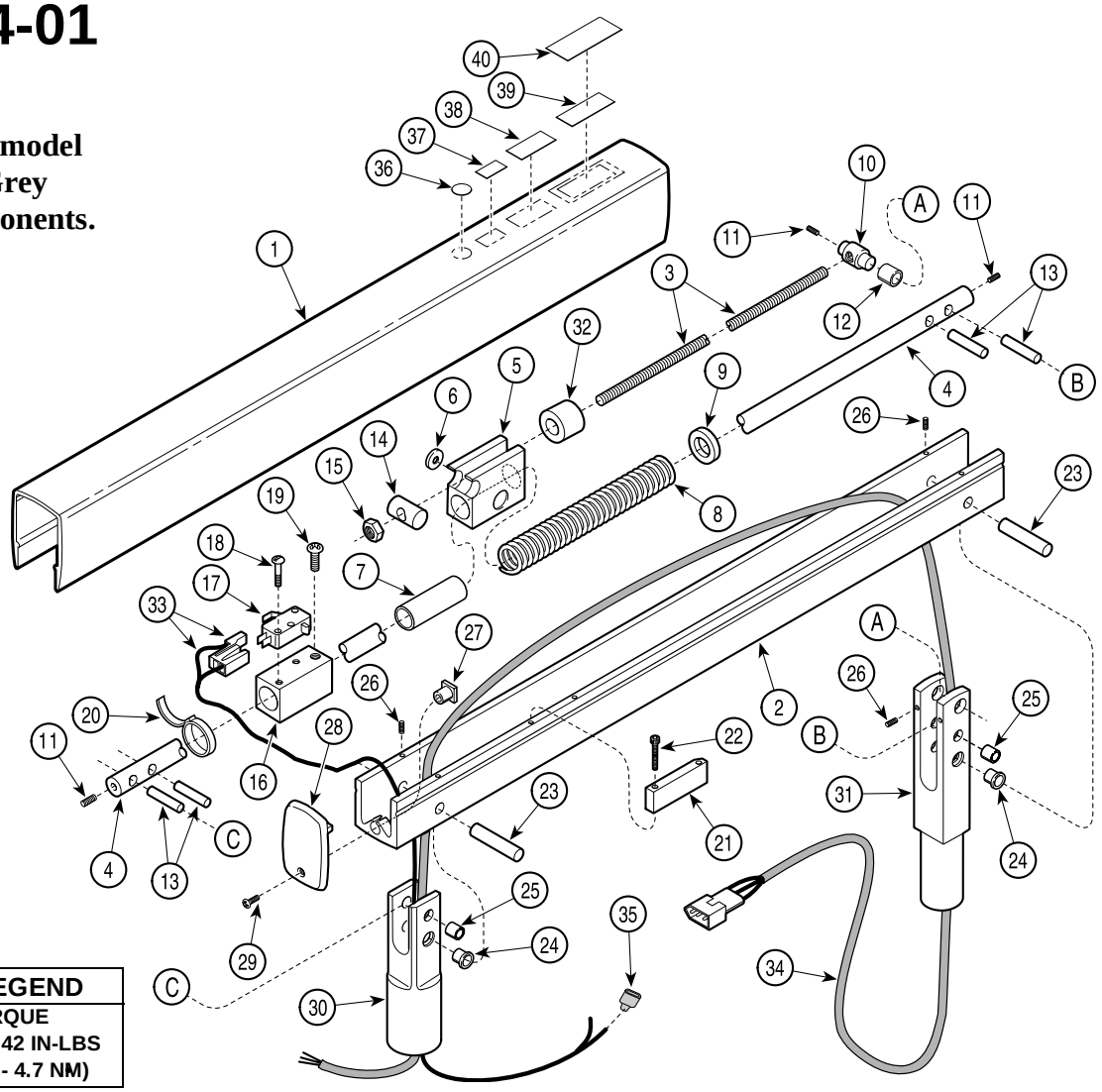
Light Flex Arm Assembly 152504-01

NOTE: This model uses Pebble Grey painted components.



TORQUE LEGEND	
ITEM#	TORQUE
19	32 - 42 IN-LBS (3.6 - 4.7 NM)

AF201901i

Used on Units with Serial Number PH1000 thru PH1676

Item	Part No.	Description	Qty.
	152504-01	Light Flex Arm Assembly (Includes Items 1 thru 35)	
1	• 121723-50	• Light Flex Arm Cover	1
2	• 121722-50	• Light Flex Arm Channel	1
3	• 121742	• Threaded Rod	1
4	• 121712	• Light Flex Arm Shaft	1
5	• 121737-2	• Spring Retainer Block	1
6	• 121741	• Spring Guide Pad	2
7	• 121738	• Spring Retainer Block Bushing	1
8	• 121729	• Compression Spring	1
9	• 121725-2	• Spring Support Washer	1
10	• 122995	• Spring Rod Pin	1
11	• 110790	• Screw	3
12	• 122997	• Sleeve Bearing	2
13	• 121727	• Dowel Pin (Apply Loctite #K906111)	4
14	• 121735-2	• Spring Retainer Pin	1
15	• C1269	• Hex Nut	1
16	• 121739-2	• Switch Mounting Block	1
17	• 146978	• Micro Switch	1
18	• 122806	• Screw	2
19	• 040-0010-126	• Screw	4
20	• 115896	• Cable Tie	2
21	• 121740-2	• Switch Acuator Block	1
22	• 118653	• Screw	2
23	• 121728	• Dowel Pin (Apply Loctite #K906111)	2
24	• 121716	• Flange Bearing	4
25	• 121714	• Sleeve Bearing	4
26	• 121747	• Set Screw	6
27	• 121724	• Threaded Insert	2
28	• 121726-50	• Flex Arm End Cap	2
29	• 121697-50	• Screw	2
30	• 121565-50	• Flex Arm Light Head Post	1
31	• 121713-1	• Flex Arm End Post	1
32	• 122487	• Rod Dampener	1
33	• 152502	• Auto ON/OFF Wire Assembly (Refer to “Wiring Diagram” Elsewhere)	1
34	• 152501	• Light Arm Cable Assembly (Refer to “Wiring Diagram” Elsewhere)	1
35	• 122753	• Terminal	4
36	• 061-0652-00	• Type B Label	1
37	• 061-0665-00	• CE Label	1
38	•	• ETL Label	Ref
39	•	• Serial Number Label	Ref
40	• 061-0741-00	• Clear Laminate (To Cover S/N Label)	1

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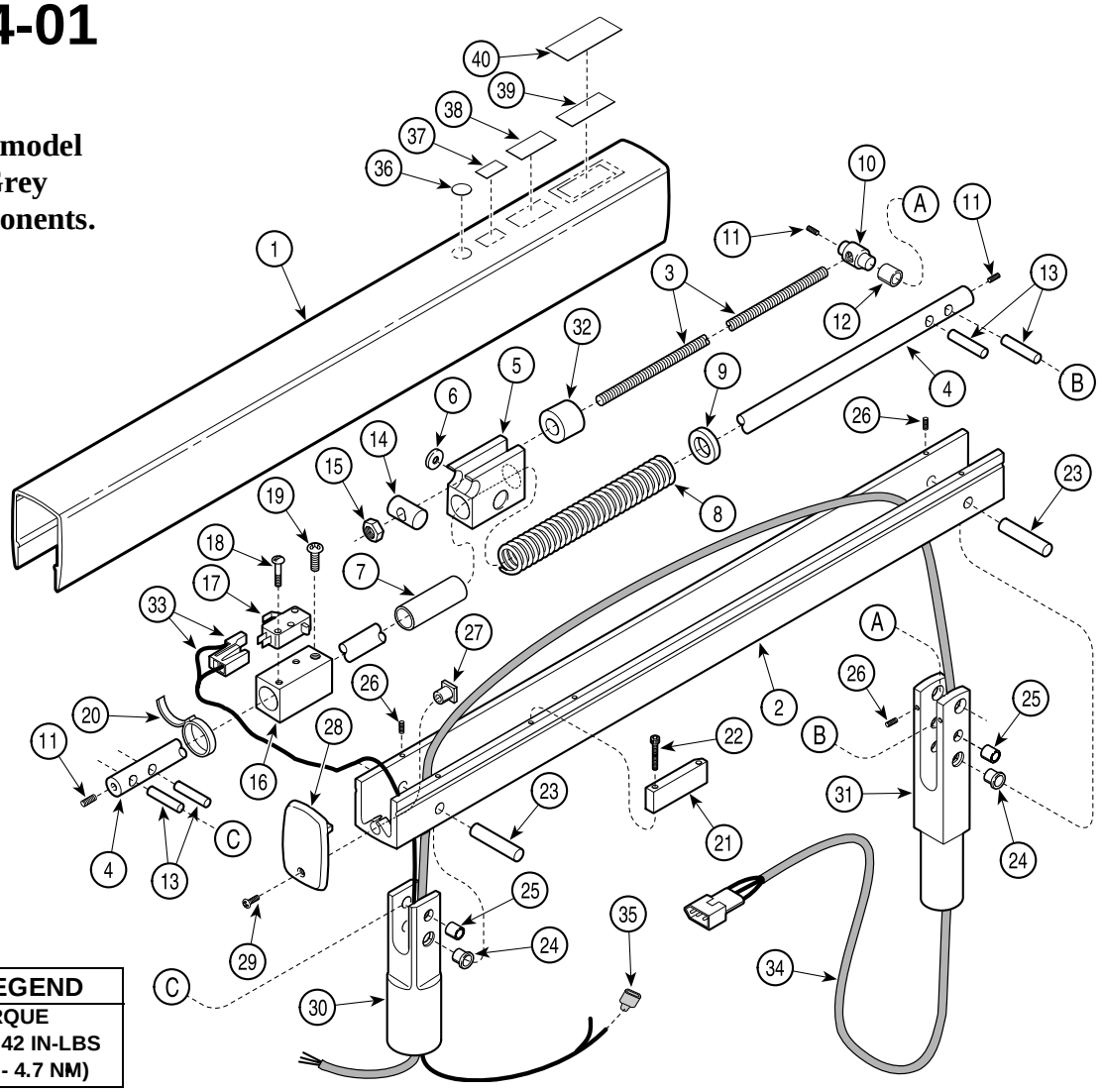
Light Flex Arm Assembly 152504-01

NOTE: This model uses Pebble Grey painted components.



TORQUE LEGEND	
ITEM#	TORQUE
19	32 - 42 IN-LBS (3.6 - 4.7 NM)

AF201901i

Used on Units with Serial Number PH1677 thru Present

Item	Part No.	Description	Qty.
	152504-01	Light Flex Arm Assembly (Includes Items 1 thru 35)	
1	• 121723-50	• Light Flex Arm Cover	1
2	• 121722-50	• Light Flex Arm Channel	1
3	• 121742	• Threaded Rod	1
4	• 121712	• Light Flex Arm Shaft	1
5	• 121737-2	• Spring Retainer Block	1
6	• 051-0981-00	• Spring Guide Pad	2
7	• 121717	• Spring Retainer Block Bushing	1
8	• 121729	• Compression Spring	1
9	• 121725-2	• Spring Support Washer	1
10	• 122995	• Spring Rod Pin	1
11	• 110790	• Screw	3
12	• 122997	• Sleeve Bearing	2
13	• 121727	• Dowel Pin (Apply Loctite #K906111)	4
14	• 121735-2	• Spring Retainer Pin	1
15	• C1269	• Hex Nut	1
16	• 121739-2	• Switch Mounting Block	1
17	• 146978	• Micro Switch	1
18	• 122806	• Screw	2
19	• 040-0010-126	• Screw	4
20	• 115896	• Cable Tie	2
21	• 121740-2	• Switch Acuator Block	1
22	• 118653	• Screw	2
23	• 121728	• Dowel Pin (Apply Loctite #K906111)	2
24	• 121716	• Flange Bearing	4
25	• 121714	• Sleeve Bearing	4
26	• 121747	• Set Screw	6
27	• 121724	• Threaded Insert	2
28	• 121726-50	• Flex Arm End Cap	2
29	• 121697-50	• Screw	2
30	• 121565-50	• Flex Arm Light Head Post	1
31	• 121713-1	• Flex Arm End Post	1
32	• 122487	• Rod Dampener	1
33	• 152502	• Auto ON/OFF Wire Assembly (Refer to “Wiring Diagram” Elsewhere)	1
34	• 152501	• Light Arm Cable Assembly (Refer to “Wiring Diagram” Elsewhere)	1
35	• 122753	• Terminal	4
36	• 061-0652-00	• Type B Label	1
37	• 061-0665-00	• CE Label	1
38	•	• ETL Label	Ref
39	•	• Serial Number Label	Ref
40	• 061-0741-00	• Clear Laminate (To Cover S/N Label)	1

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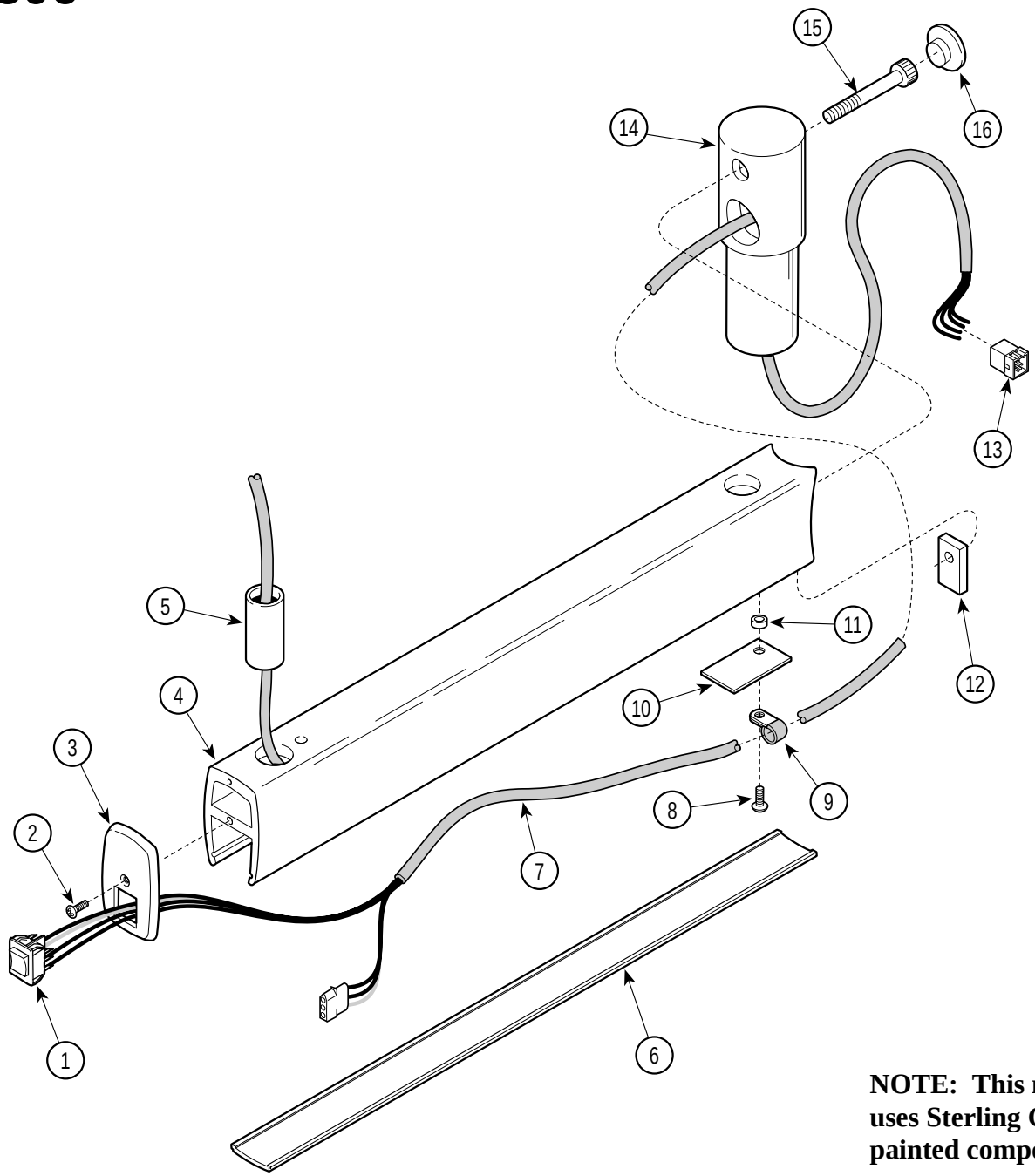
Unit/Wall Light Fixed Arm Assembly 152506



NOTE: This model uses Sterling Grey painted components.

AF2021

Used on Units with "LL" Serial Number Prefix

Item	Part No.	Description	Qty.
	152506	Light Fixed Arm Assembly (Includes Items 1 thru 16)	1
1	• 121758	• 3 Position Progressive Rocker Switch	1
	• 152508	• Blue Jumper (Not Shown)	1
2	• 121508-1	• Oval Head Screw	1
3	• 121764-1	• Rigid Arm Switch Cap	1
4	• 121705-1	• Unit Mounted Fixed Arm	1
5	• 117505	• Bearing	1
6	• 121707-1	• Fixed Arm Cover	1
7	• 152500	• Remote Transformer Cable Assembly	1
8	• 121142	• Pan Head Screw	1
9	• 121656	• Cable Clamp	1
10	• 121786-2	• Spare Bulb Hole Plate	1
11	• 121719	• Spacer	1
12	• 117407-2	• Nut Post Plate	1
13	• 102029	• 9 Pin Connector	1
14	• 121708-1	• Unit Mounted Hub	1
15	• 117519	• Socket Head Screw	1
16	• 122198-1	• Cap (Seal with RTV #185057)	1

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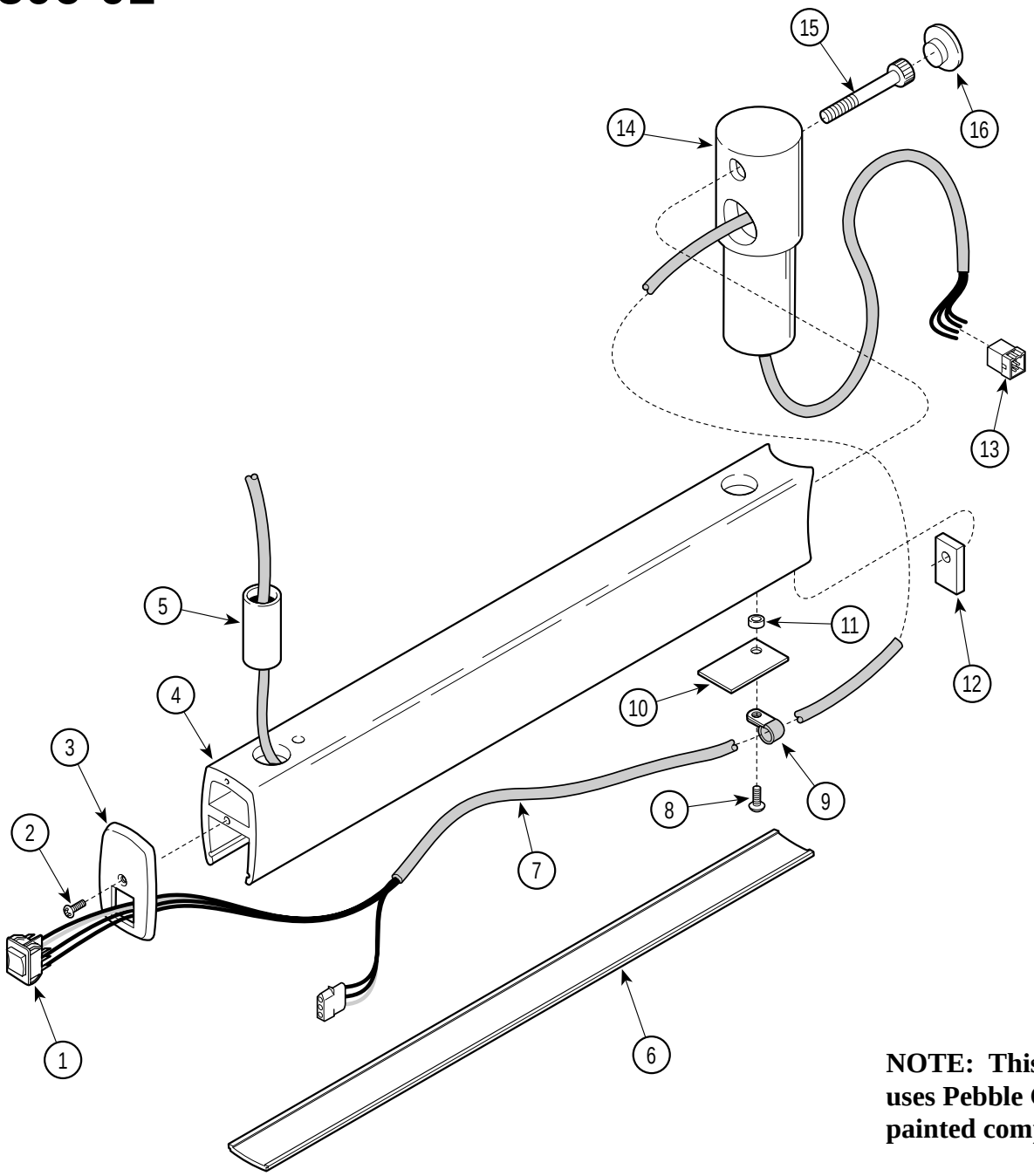
Unit/Wall Light Fixed Arm Assembly 152506-01



NOTE: This model uses Pebble Grey painted components.

AF2021

Used on Units with "PH" Serial Number Prefix

Item	Part No.	Description	Qty.
	152506-01	Light Fixed Arm Assembly (Includes Items 1 thru 16)	1
1	• 121758	• 3 Position Progressive Rocker Switch	1
	• 152508	• Blue Jumper (Not Shown)	1
2	• 121508-50	• Oval Head Screw	1
3	• 121764-50	• Rigid Arm Switch Cap	1
4	• 121705-1	• Unit Mounted Fixed Arm	1
5	• 117505	• Bearing	1
6	• 121707-1	• Fixed Arm Cover	1
7	• 152500	• Remote Transformer Cable Assembly	1
8	• 121142	• Pan Head Screw	1
9	• 121656	• Cable Clamp	1
10	• 121786-2	• Spare Bulb Hole Plate	1
11	• 121719	• Spacer	1
12	• 117407-2	• Nut Post Plate	1
13	• 102029	• 9 Pin Connector	1
14	• 121708-1	• Unit Mounted Hub	1
15	• 117519	• Socket Head Screw	1
16	• 122198-1	• Cap (Seal with RTV #185057)	1

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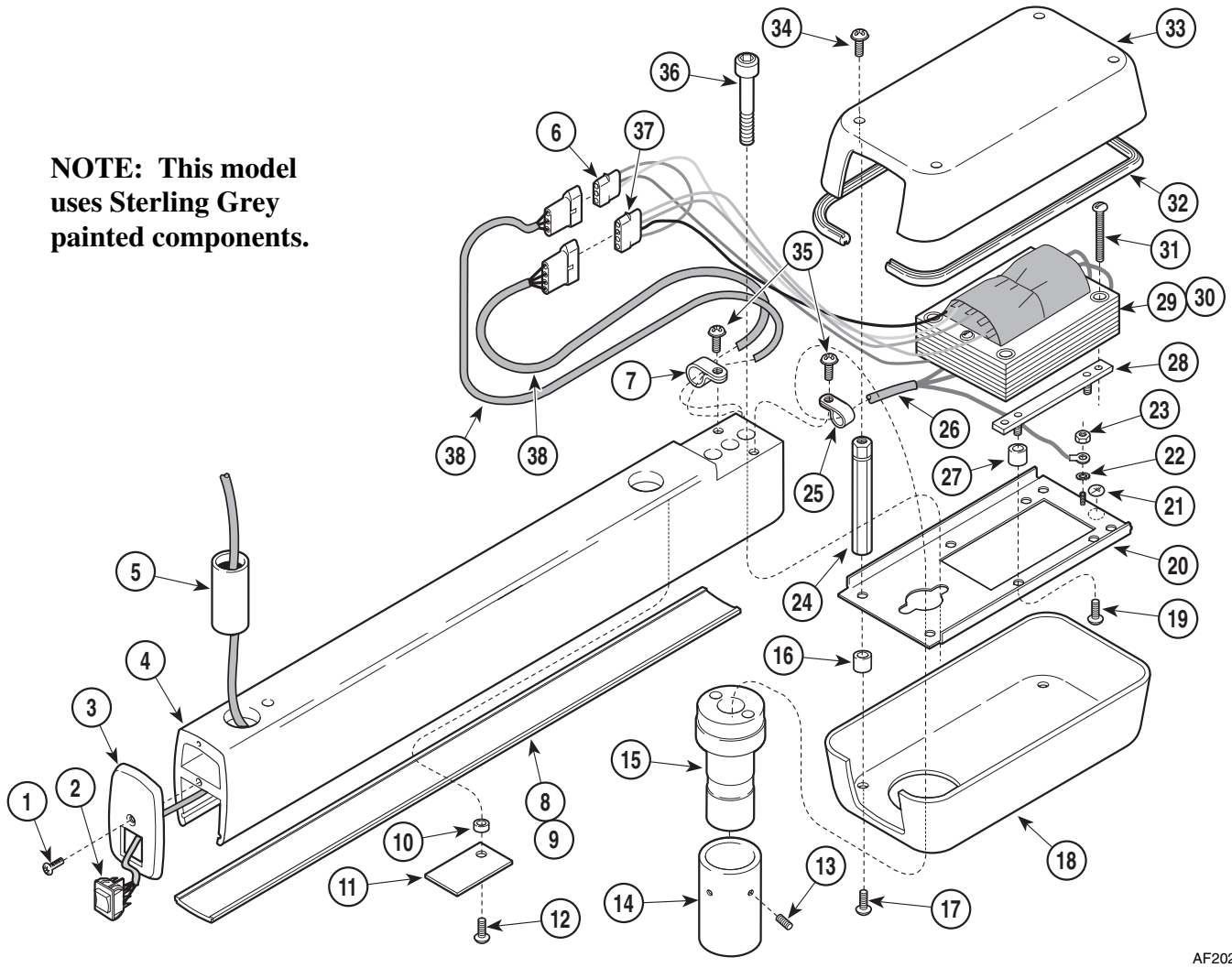
Universal Light Fixed Arm Assembly 152482

NOTE: This model uses Sterling Grey painted components.



AF2020

Used on Units with "LL" Serial Number Prefix

Item	Part No.	Description	Qty.
	152482	120 VAC Universal Fixed Arm Assembly (Includes Items 1 thru 37)	1
1	• 121508-1	• Screw	1
2	• 121758	• 3 Position Progressive Rocker Switch	1
	• 152508	• Blue Jumper (Not Shown)	1
3	• 121764-1	• Rigid Arm Switch Cap	1
4	• 121745-1	• Fixed Universal Arm	1
5	• 117505	• Bearing	1
6	• 102793	• 3 Circuit Connector	1
7	• 121655	• Cable Clamp	1
8	• 121746-1	• Fixed Arm Cover	1
9	• 122078-2	• Cover Stop Pin (Not Shown)	1
10	• 119428	• Spacer	1
11	• 121786-2	• Spare Bulb Hole Plate	1
12	• 121142	• Screw	2
13	• 106753	• Set Screw	1
14	• 122197-2	• Male Sleeve Light Bearing	1
15	• 122196-2	• Male Light Pivot Bearing	1
16	• 121719	• Lower Cover Spacer	4
17	• 121730-1	• Screw	4
18	• 121744	• Bottom Light Transformer Cover	1
19	• 105816	• Screw	4
20	• 121466-2	• Light Transformer Chassis	1
21	• 112504	• Ground Identification Label	1
22	• P14718	• External Tooth Washer	1
23	• P507	• Hex Nut	1
24	• 121676	• Top Cover Standoff	4
25	• 121656	• Cable Clamp	1
26	• 149418	• Power Cord Assembly	1
27	• 116420	• Vibration Isolator	4
28	• 152490	• Transformer Mounting Strip Assembly	2
29	• 152494	• 120 VAC Light Transformer Assembly	1
30	• 115896	• Cable Tie (Not Shown)	AR
31	• P2446	• Screw	4
32	• 053-1222-00	• Trim Ring	1
33	• 121743	• Removable Light Transformer Cover	1
34	• 120233	• Panel Screw	4
35	• 101755	• Screw	2
36	• 121751	• Screw (Apply 042-0024-00, Loctite)	2
37	• 112897	• 4 Circuit Connector	1
38	• 152499	• Intensity Switch Cable Assembly	1
39	• 152501	• Light Arm Cable Assembly	1

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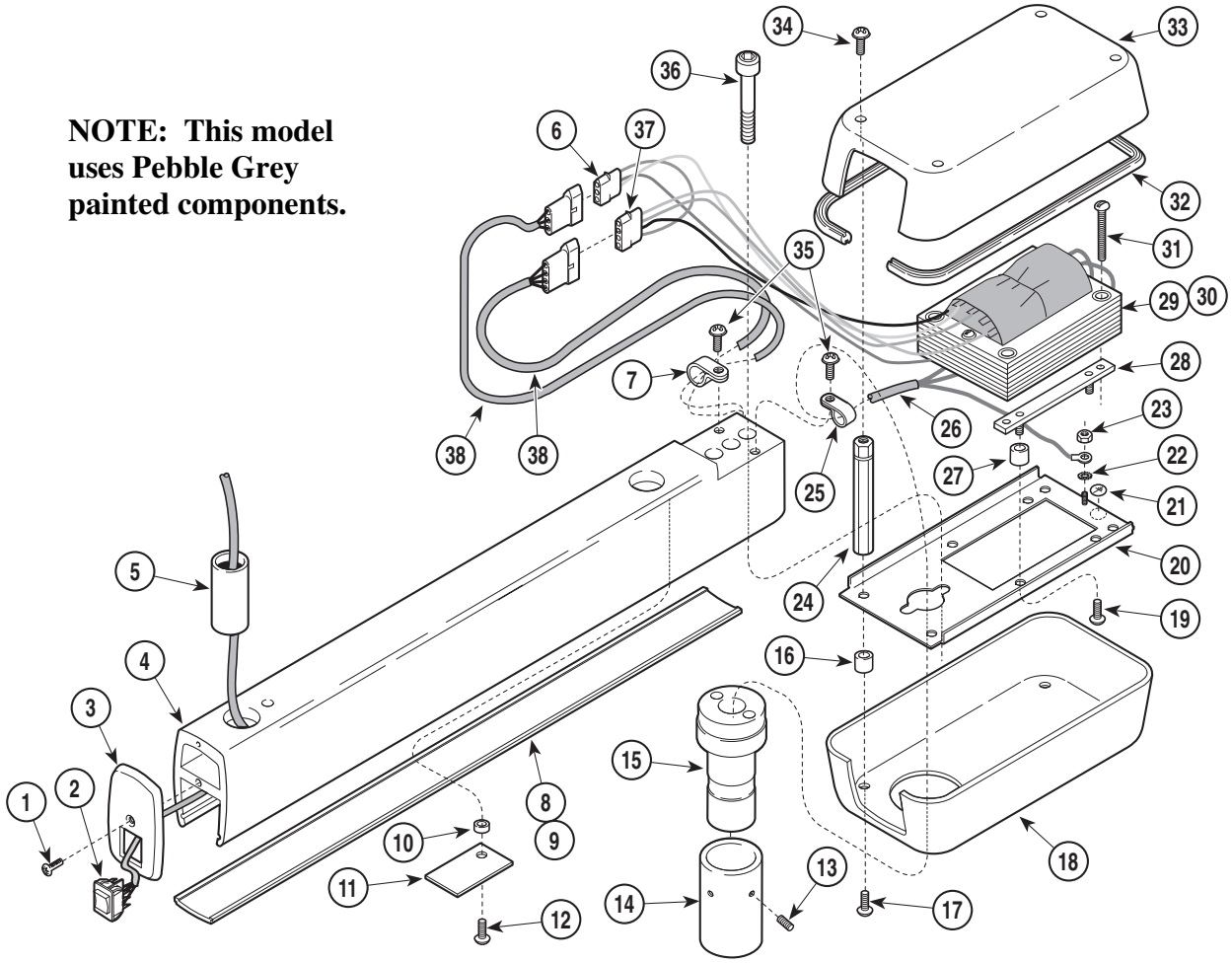
Universal Light Fixed Arm Assembly 152482-01 (120 VAC) & 152591-01 (220 VAC)

NOTE: This model uses Pebble Grey painted components.



AF2020

Used on Units with "PH" Serial Number Prefix

Item	Part No.	Description	Qty.
	152482-01	120 VAC Universal Fixed Arm Assembly (Includes Items 1 thru 39)	1
	152591-01	220 VAC Universal Fixed Arm Assembly (Includes Items 1 thru 39)	1
1	• 121508-50	• Screw	1
2	• 121758	• 3 Position Progressive Rocker Switch	1
	• 152508	• Blue Jumper (Not Shown)	1
3	• 121764-50	• Rigid Arm Switch Cap	1
4	• 121745-50	• Fixed Universal Arm	1
5	• 117505	• Bearing	1
6	• 102793	• 3 Circuit Connector	1
7	• 121655	• Cable Clamp	1
8	• 121746-50	• Fixed Arm Cover	1
9	• 122078-2	• Cover Stop Pin (Not Shown)	1
10	• 119428	• Spacer	1
11	• 121786-2	• Spare Bulb Hole Plate	1
12	• 121142	• Screw	2
13	• 106753	• Set Screw	1
14	• 122197-2	• Male Sleeve Light Bearing	1
15	• 122196-2	• Male Light Pivot Bearing	1
16	• 121719	• Lower Cover Spacer	4
17	• 121730-50	• Screw	4
18	• 121744	• Bottom Light Transformer Cover	1
19	• 105816	• Screw	4
20	• 121466-2	• Light Transformer Chassis	1
21	• 112504	• Ground Identification Label	1
22	• P14718	• External Tooth Washer	1
23	• P507	• Hex Nut	1
24	• 121676	• Top Cover Standoff	4
25	• 121656	• Cable Clamp	1
26	• 149418-01	• Power Cord Assembly (120 VAC)	1
	• 149433	• Power Cord Assembly (220 VAC)	1
27	• 116420	• Vibration Isolator	4
28	• 152490	• Transformer Mounting Strip Assembly	2
29	• 152494	• Light Transformer Assy. (120 VAC)	1
	• 152550	• Light Transformer Assy. (220 VAC)	1
30	• 115896	• Cable Tie (Not Shown)	AR
31	• P2446	• Screw	4
32	• 053-1222-00	• Trim Ring	1
33	• 121743	• Removable Light Transformer Cover	1
34	• 120233	• Panel Screw	4
35	• 117558	• Screw	2
36	• 121751	• Screw (Apply 042-0024-00, Loctite)	2
37	• 112897	• 4 Circuit Connector	1
38	• 152499	• Intensity Switch Cable Assembly	1
39	• 152501	• Light Arm Cable Assembly	1

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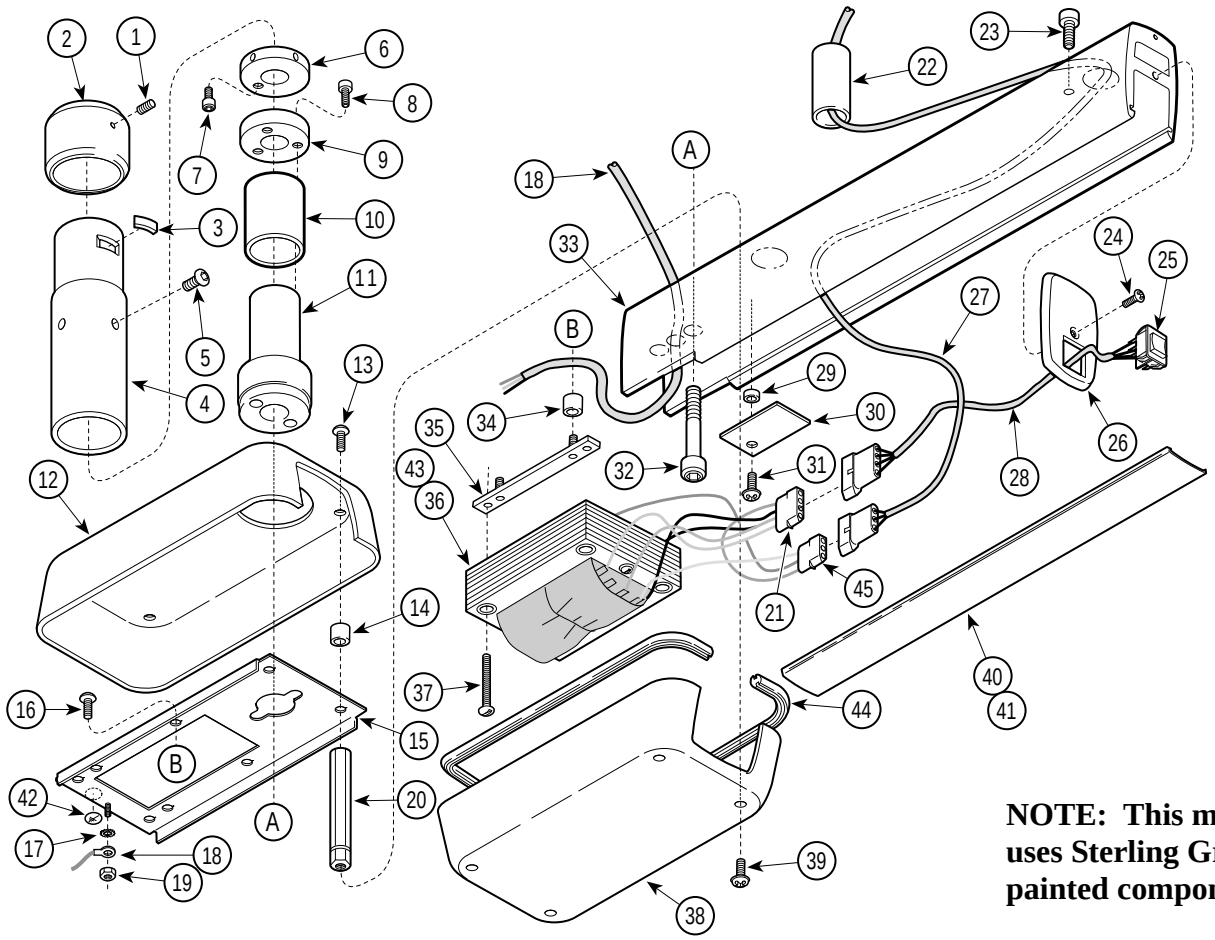
Ceiling Light Fixed Arm Assembly 152566



AF2023

Used on Units with "LL" Serial Number Prefix

Item	Part No.	Description	Qty.
	152566	120 VAC Ceiling Fixed Arm Assembly (Includes Items 1 thru 45)	1
1	• 119827	• Screw	1
2	• 121790-1	• Retaining Collar	1
3	• 121789-2	• Post Mount Pin	1
4	• 121769-1	• Mounting Post	1
5	• 121841	• Screw	4
6	• 121780-2	• Keeper ring	1
7	• 117558	• Screw	1
8	• 117194	• Screw	3
9	• 121781-2	• Stop Ring	1
10	• 121782	• Bearing	1
11	• 121770-1	• Pivot Bearing	1
12	• 121744	• Bottom Light Transformer Cover	1
13	• 121730-1	• Carriage bolt	4
14	• 121719	• Lower Cover Spacer	4
15	• 121466-2	• Light Transformer Chassis	1
16	• 105816	• Screw	4
17	• P14718	• External Tooth Washer	1
18	• 149418	• 120 VAC Power Cable	1
19	• P507	• Hex Nut	1
20	• 121676	• Top Cover Standoff	4
21	• 112897	• 4 Circuit Connector	1
40	• 121746-1	• Fixed Arm Cover	1
22	• 117505	• Bearing	1
23	• 117636	• Stop Rotation Screw	1
24	• 121508-1	• Screw	1
25	• 121758	• 3 Position Progressive Rocker Switch	1
	• 152508	• Blue Jumper (Not Shown)	1
26	• 121764-1	• Ridgid Arm Switch Cap	1
27	• 152501	• Light Arm Cable Assembly	1
28	• 152499	• Intensity Switch Cable Assembly	1
29	• 121719	• Spacer	1
30	• 121786-2	• Spare Bulb Hole Plate	1
31	• 121142	• Screw	1
32	• 121844	• Screw	2
33	• 121745-1	• Fixed Arm	1
34	• 116420	• Vibration Isolator	4
35	• 152490	• Transformer Mounting Strip Assembly	2
36	• 152494	• 120 VAC Light Transformer Assembly	1
37	• P2446	• Screw	4
38	• 121743	• Removable Light Transformer Cover	1
39	• 120233	• Panel Screw	4
40	• 121746-1	• Fixed Arm Cover	1
41	• 122078	• Cover Stop Pin (Not shown)	1
42	• 112504	• Ground Identification Label	1
43	• 115896	• Cable Tie (Not Shown)	1
44	• 053-1222-00	• Trim Ring	1
45	• 102793	• 3 Circuit Connector	1

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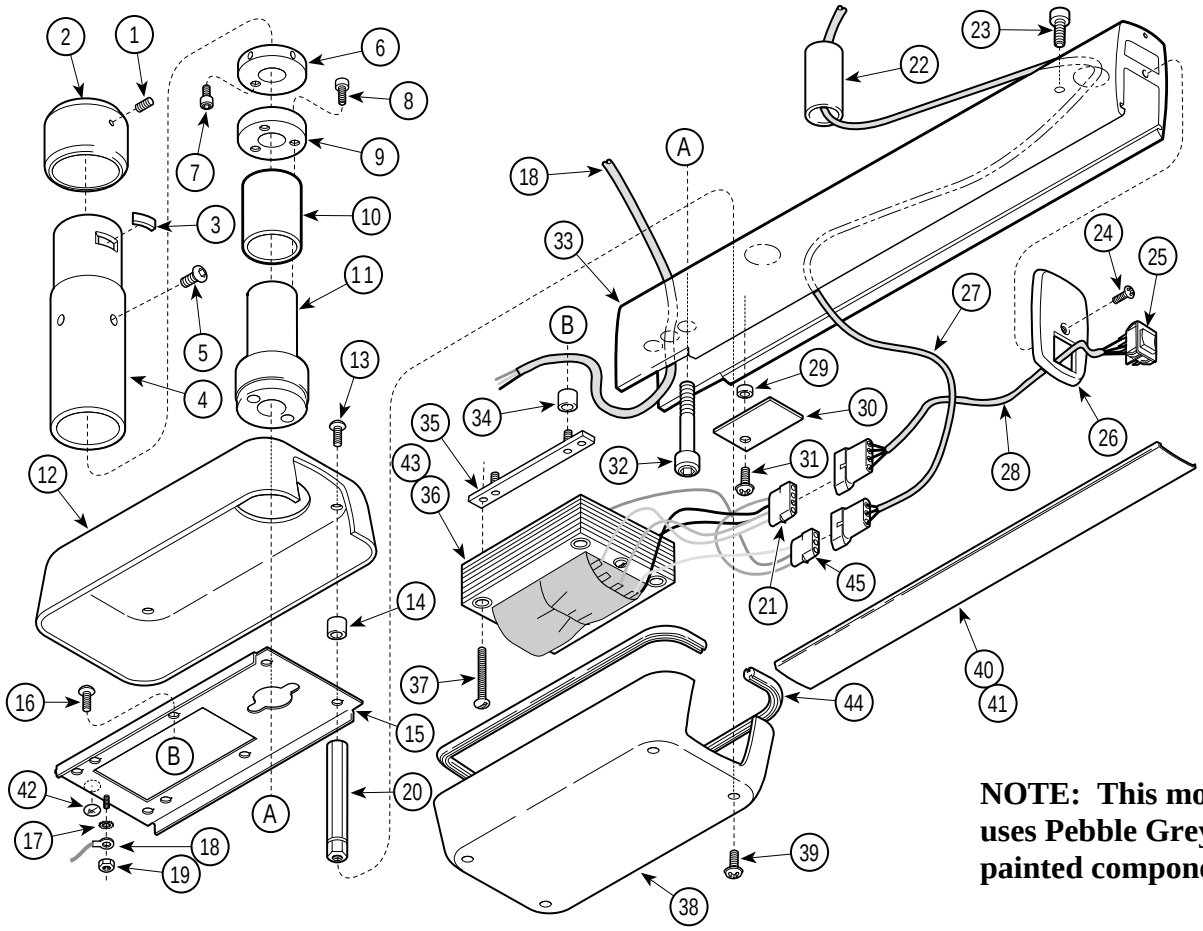
Ceiling Light Fixed Arm Assembly 152566-01 (120 VAC) & 152592-01 (220 VAC)



NOTE: This model uses Pebble Grey painted components.

AF2023

Used on Units with "PH" Serial Number Prefix

Item	Part No.	Description	Qty.
	152566-01	120 VAC Ceiling Fixed Arm Assembly (Includes Items 1 thru 45)	1
	152592-01	220 VAC Ceiling Fixed Arm Assembly (Includes Items 1 thru 45)	1
1	• 119827	• Screw	1
2	• 121790-50	• Retaining Collar	1
3	• 121789-2	• Post Mount Pin	1
4	• 121769-50	• Mounting Post	1
5	• 121841	• Screw	4
6	• 121780-2	• Keeper ring	1
7	• 117558	• Screw	1
8	• 117194	• Screw	3
9	• 121781-2	• Stop Ring	1
10	• 121782	• Bearing	1
11	• 121770-50	• Pivot Bearing	1
12	• 121744	• Bottom Light Transformer Cover	1
13	• 121730-50	• Carriage bolt	4
14	• 121719	• Lower Cover Spacer	4
15	• 121466-2	• Light Transformer Chassis	1
16	• 105816	• Screw	4
17	• P14718	• External Tooth Washer	1
18	• 149418-01	• 120 VAC Power Cable	1
	• 149433	• 220 VAC Power Cable	1
19	• P507	• Hex Nut	1
20	• 121676	• Top Cover Standoff	4
21	• 112897	• 4 Circuit Connector	1
22	• 117505	• Bearing	1
23	• 117636	• Stop Rotation Screw	1
24	• 121508-50	• Screw	1
25	• 121758	• 3 Position Progressive Rocker Switch	1
	• 152508	• Blue Jumper (Not Shown)	1
26	• 121764-50	• Ridgid Arm Switch Cap	1
27	• 152501	• Light Arm Cable Assembly	1
28	• 152499	• Intensity Switch Cable Assembly	1
29	• 121719	• Spacer	1
30	• 121786-2	• Spare Bulb Hole Plate	1
31	• 121142	• Screw	1
32	• 121844	• Screw	2
33	• 121745-50	• Fixed Arm	1
34	• 116420	• Vibration Isolator	4
35	• 152490	• Transformer Mounting Strip Assembly	2
36	• 152494	• 120 VAC Light Transformer Assembly	1
	• 152550	• 220 VAC Light Transformer Assembly	1
37	• P2446	• Screw	4
38	• 121743	• Removable Light Transformer Cover	1
39	• 120233	• Panel Screw	4
40	• 121746-50	• Fixed Arm Cover	1
41	• 122078	• Cover Stop Pin (Not shown)	1
42	• 112504	• Ground Identification Label	1
43	• 115896	• Cable Tie (Not Shown)	1
44	• 053-1222-00	• Trim Ring	1
45	• 102793	• 3 Circuit Connector	1

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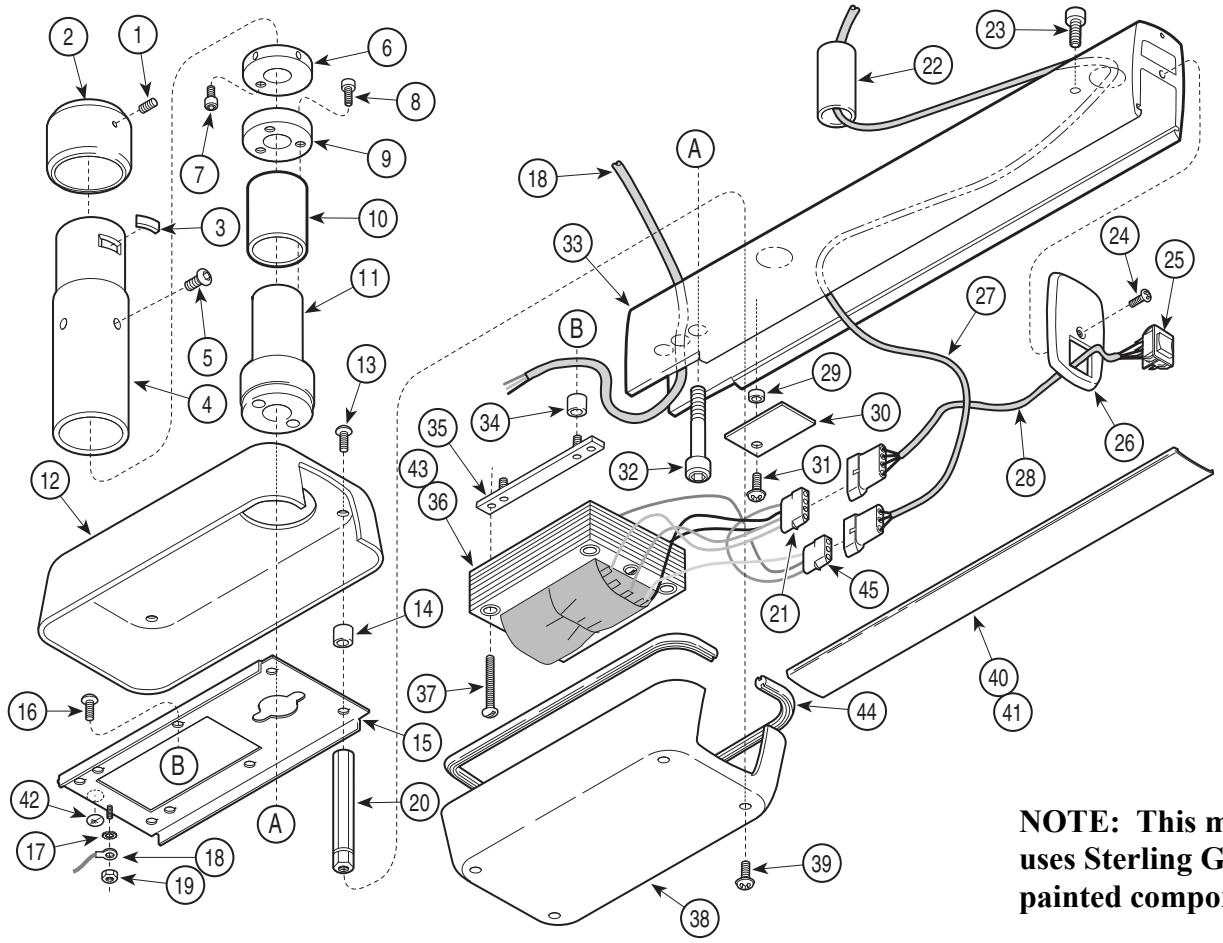
Track Light Fixed Arm Assembly 152576



NOTE: This model uses Sterling Grey painted components.

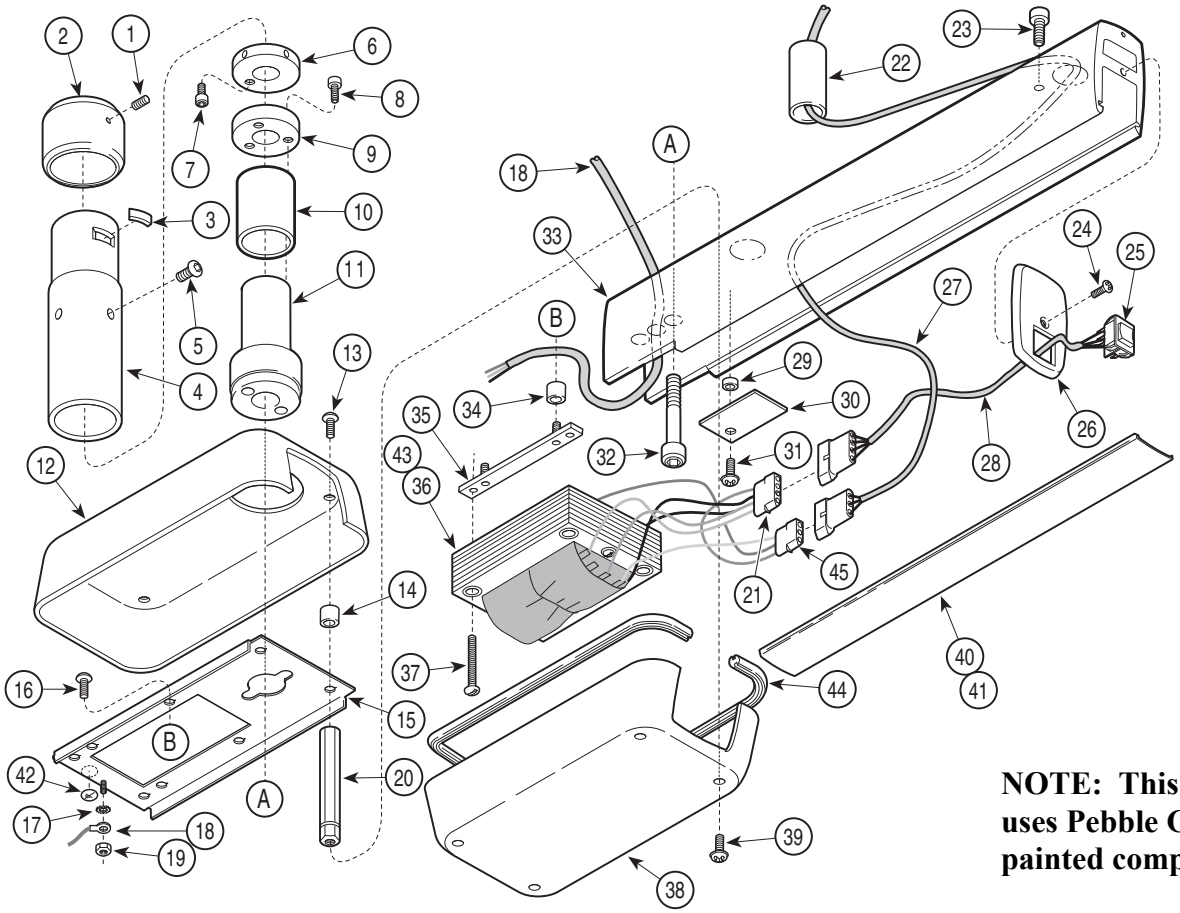
AF2025

Used on Units with "LL" Serial Number Prefix

Item	Part No.	Description	Qty.
	152576	120 VAC Track Fixed Arm Assembly (Includes Items 1 thru 46)	1
1	• 119827	• Screw	1
2	• 121790-1	• Retaining Collar	1
3	• 121789-2	• Post Mount Pin	1
4	• 121769-1	• Mounting Post	1
5	• 121841	• Screw	4
6	• 121780-2	• Keeper Ring	1
7	• 117558	• Screw	1
8	• 117194	• Screw	3
9	• 121781-2	• Stop Ring	1
10	• 121782	• Bearing	1
11	• 121770-1	• Pivot Bearing	1
12	• 121744	• Bottom Light Transformer Cover	1
13	• 121730-1	• Carriage Bolt	4
14	• 121719	• Lower Cover Spacer	4
15	• 121466-2	• Light Transformer Chassis	1
16	• 105816	• Screw	4
17	• P14718	• External Tooth Washer	1
18	• 152600	• Track Transformer Cable	1
19	• P507	• Hex Nut	1
20	• 121676	• Top Cover Standoff	4
21	• 102927	• 3 Circuit Connector (Not Shown)	1
22	• 117505	• Bearing	1
23	• 117636	• Stop Rotation Screw	1
24	• 121508-1	• Screw	1
25	• 121758	• 3 Position Progressive Rocker Switch	1
	• 152508	• Blue Jumper (Not Shown)	1
26	• 121764-1	• Rigid Arm Switch Cap	1
27	• 152501	• Intensity Switch Cable Assembly	1
28	• 152499	• Light Arm Cable Assembly	1
29	• 121719	• Spacer	1
30	• 121786-2	• Spare Bulb Hole Plate	1
31	• 121142	• Screw	1
32	• 121844	• Screw	2
33	• 121860-1	• Fixed Arm	1
34	• 116420	• Vibration Isolator	4
35	• 152490	• Transformer Mounting Strip Assembly	2
36	• 152601	• 120 VAC Light Transformer Assembly	1
37	• P2446	• Screw	4
38	• 121743	• Removable Light Transformer Cover	1
39	• 120233	• Panel Screw	4
40	• 121880-1	• Fixed Arm Cover	1
41	• 122078-2	• Cover Stop Pin (Not shown)	1
42	• 112504	• Ground Identification Label	1
43	• 115896	• Cable Tie (Not Shown)	1
44	• 053-1222-00	• Trim Ring	1
45	• 102793	• 3 Circuit Connector	1
46	• 115896	• Wire Ties (Not Shown)	AR

Always Specify Model & Serial Number

Track Light Fixed Arm Assembly 152576-01 (120 vac) & 152612-01 (220 VAC)



NOTE: This model uses Pebble Grey painted components.

AF2025

Used on Units with "PH" Serial Number Prefix

Item	Part No.	Description	Qty.
	152576-01	120 VAC Track Fixed Arm Assembly (Includes Items 1 thru 46)	1
	152612-01	120 VAC Track Fixed Arm Assembly (Includes Items 1 thru 46)	1
1	• 119827	• Screw	1
2	• 121790-50	• Retaining Collar	1
3	• 121789-2	• Post Mount Pin	1
4	• 121769-50	• Mounting Post	1
5	• 121841	• Screw	4
6	• 121780-2	• Keeper Ring	1
7	• 117558	• Screw	1
8	• 117194	• Screw	3
9	• 121781-2	• Stop Ring	1
10	• 121782	• Bearing	1
11	• 121770-50	• Pivot Bearing	1
12	• 121744	• Bottom Light Transformer Cover	1
13	• 121730-50	• Carriage Bolt	4
14	• 121719	• Lower Cover Spacer	4
15	• 121466-2	• Light Transformer Chassis	1
16	• 105816	• Screw	4
17	• P14718	• External Tooth Washer	1
18	• 152600	• Track Transformer Cable	1
19	• P507	• Hex Nut	1
20	• 121676	• Top Cover Standoff	4
21	• 102927	• 3 Circuit Connector (Not Shown)	1
22	• 117505	• Bearing	1
23	• 117636	• Stop Rotation Screw	1
24	• 121508-50	• Screw	1
25	• 121758	• 3 Position Progressive Rocker Switch	1
	• 152508	• Blue Jumper (Not Shown)	1
26	• 121764-50	• Rigid Arm Switch Cap	1
27	• 152501	• Intensity Switch Cable Assembly	1
28	• 152499	• Light Arm Cable Assembly	1
29	• 121719	• Spacer	1
30	• 121786-2	• Spare Bulb Hole Plate	1
31	• 121142	• Screw	1
32	• 121844	• Screw	2
33	• 121860-50	• Fixed Arm	1
34	• 116420	• Vibration Isolator	4
35	• 152490	• Transformer Mounting Strip Assembly	2
36	• 152601	• 120 VAC Light Transformer Assembly	1
	• 152611	• 120 VAC Light Transformer Assembly	1
37	• P2446	• Screw	4
38	• 121743	• Removable Light Transformer Cover	1
39	• 120233	• Panel Screw	4
40	• 121880-50	• Fixed Arm Cover	1
41	• 122078-2	• Cover Stop Pin (Not shown)	1
42	• 112504	• Ground Identification Label	1
43	• 115896	• Cable Tie (Not Shown)	1
44	• 053-1222-00	• Trim Ring	1
45	• 102793	• 3 Circuit Connector	1
46	• 115896	• Wire Ties (Not Shown)	AR

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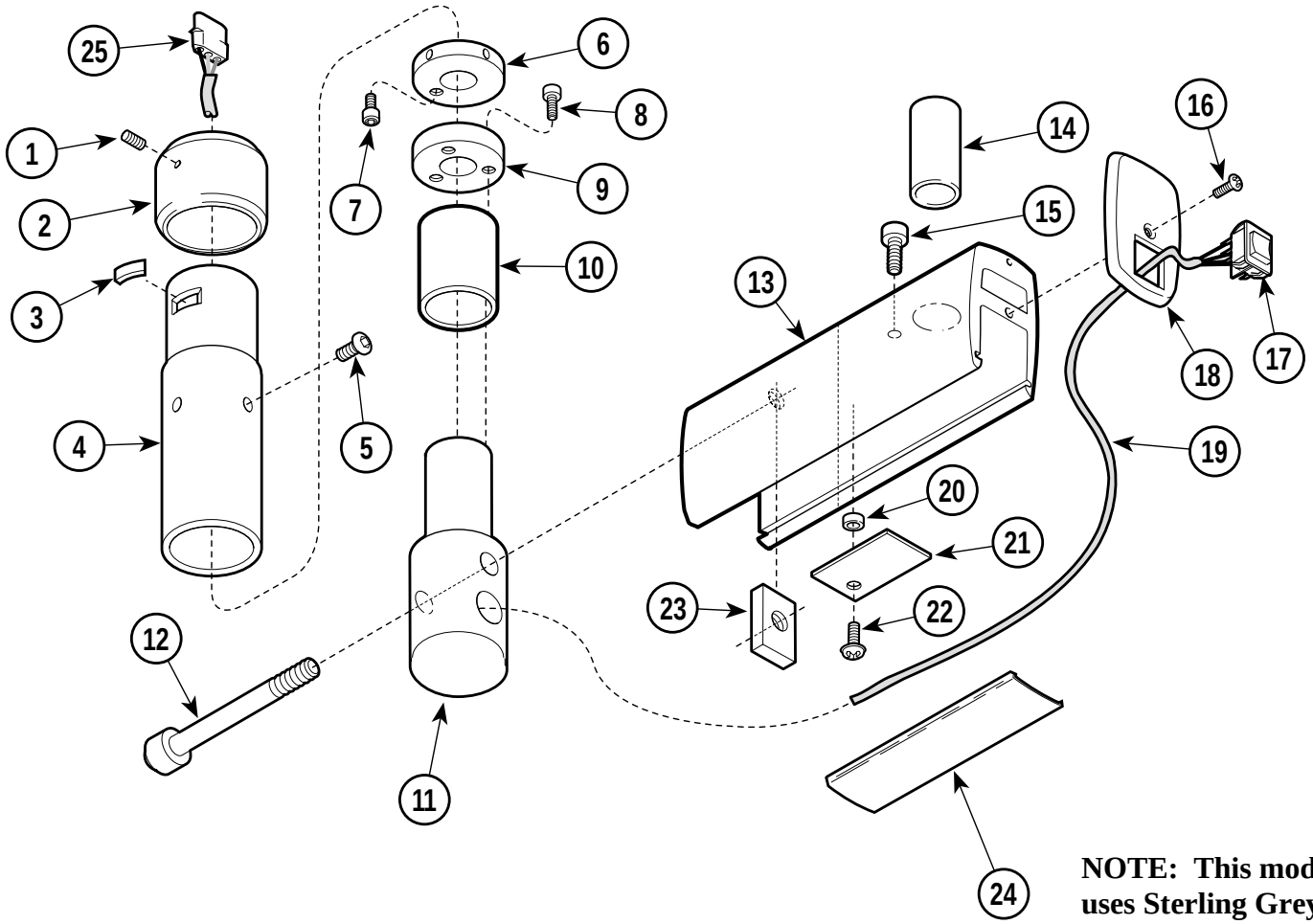
Cabinet Mount Fixed Arm Assembly 152684



NOTE: This model uses Sterling Grey painted components.

KA983100

Used on Units with "LL" Serial Number Prefix

Item	Part No.	Description	Qty.
	152684	Cabinet Mount Fixed Arm Assembly (Includes Items 1 thru 25)	1
1	• 119827	• Screw	1
2	• 121790-1	• Retaining Collar	1
3	• 121789-2	• Post Mount Pin	1
4	• 121769-1	• Mounting Post	1
5	• 121841	• Screw	4
6	• 121780-2	• Keeper Ring	1
7	• 117558	• Screw	1
8	• 117194	• Screw	3
9	• 121781-2	• Stop Ring	1
10	• 121782	• Bearing	1
11	• 122015-1	• Cabinet Bearing Post	1
12	• 117519	• Screw (Apply Loctite #042-0024-00)	1
13	• 122014-1	• Cabinet Mount Fixed Arm	1
14	• 117505	• Bearing	1
15	• 117636	• Stop Rotation Screw	1
16	• 121508-1	• Screw	1
17	• 121758	• 3 Position Progressive Rocker Switch	1
	• 152508	• Blue Jumper (Not Shown)	1
18	• 121764-1	• Rigid Arm Switch Cap	1
19	• 152685	• Light Arm Cable Assembly	1
20	• 121719	• Spacer	1
21	• 121786-2	• Spare Bulb Hole Plate	1
22	• 121142	• Screw	1
23	• 122019-1	• Bottom Arm Cover	1
24	• 117407-2	• Plate Nut	1
25	• 102029	• Connector Plug - 9 Pin	1

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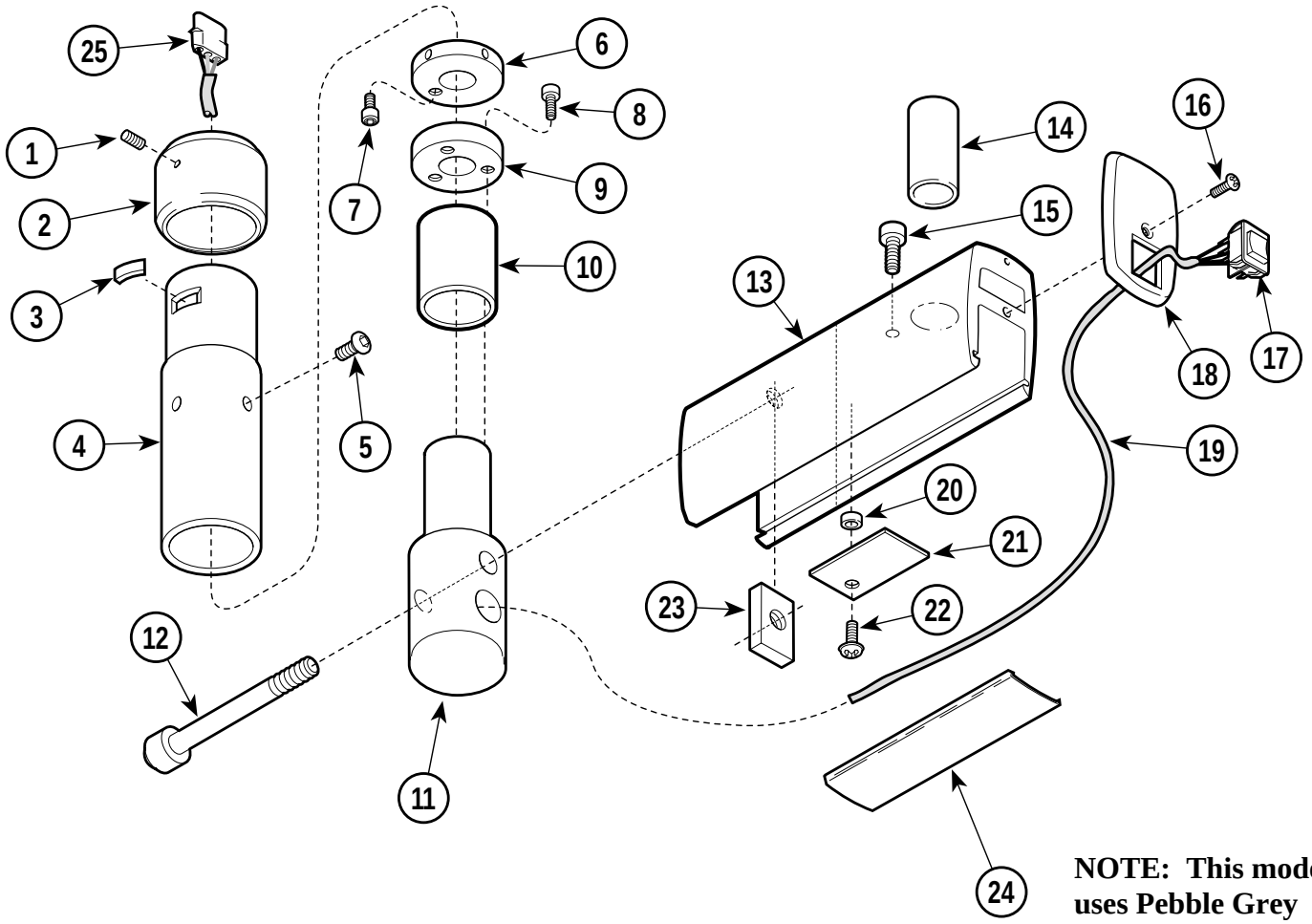
Cabinet Mount Fixed Arm Assembly 152684-01



NOTE: This model uses Pebble Grey painted components.

KA983100

Used on Units with "PH" Serial Number Prefix

Item	Part No.	Description	Qty.
	152684-01	Cabinet Mount Fixed Arm Assembly (Includes Items 1 thru 25)	1
1	• 119827	• Screw	1
2	• 121790-50	• Retaining Collar	1
3	• 121789-2	• Post Mount Pin	1
4	• 121769-50	• Mounting Post	1
5	• 121841	• Screw	4
6	• 121780-2	• Keeper Ring	1
7	• 117558	• Screw	1
8	• 117194	• Screw	3
9	• 121781-2	• Stop Ring	1
10	• 121782	• Bearing	1
11	• 122015-50	• Cabinet Bearing Post	1
12	• 117519	• Screw (Apply Loctite #042-0024-00)	1
13	• 122014-50	• Cabinet Mount Fixed Arm	1
14	• 117505	• Bearing	1
15	• 117636	• Stop Rotation Screw	1
16	• 121508-50	• Screw	1
17	• 121758	• 3 Position Progressive Rocker Switch	1
	• 152508	• Blue Jumper (Not Shown)	1
18	• 121764-50	• Rigid Arm Switch Cap	1
19	• 152685	• Light Arm Cable Assembly	1
20	• 121719	• Spacer	1
21	• 121786-2	• Spare Bulb Hole Plate	1
22	• 121142	• Screw	1
23	• 122019-50	• Bottom Arm Cover	1
24	• 117407-2	• Plate Nut	1
25	• 102029	• Connector Plug - 9 Pin	1

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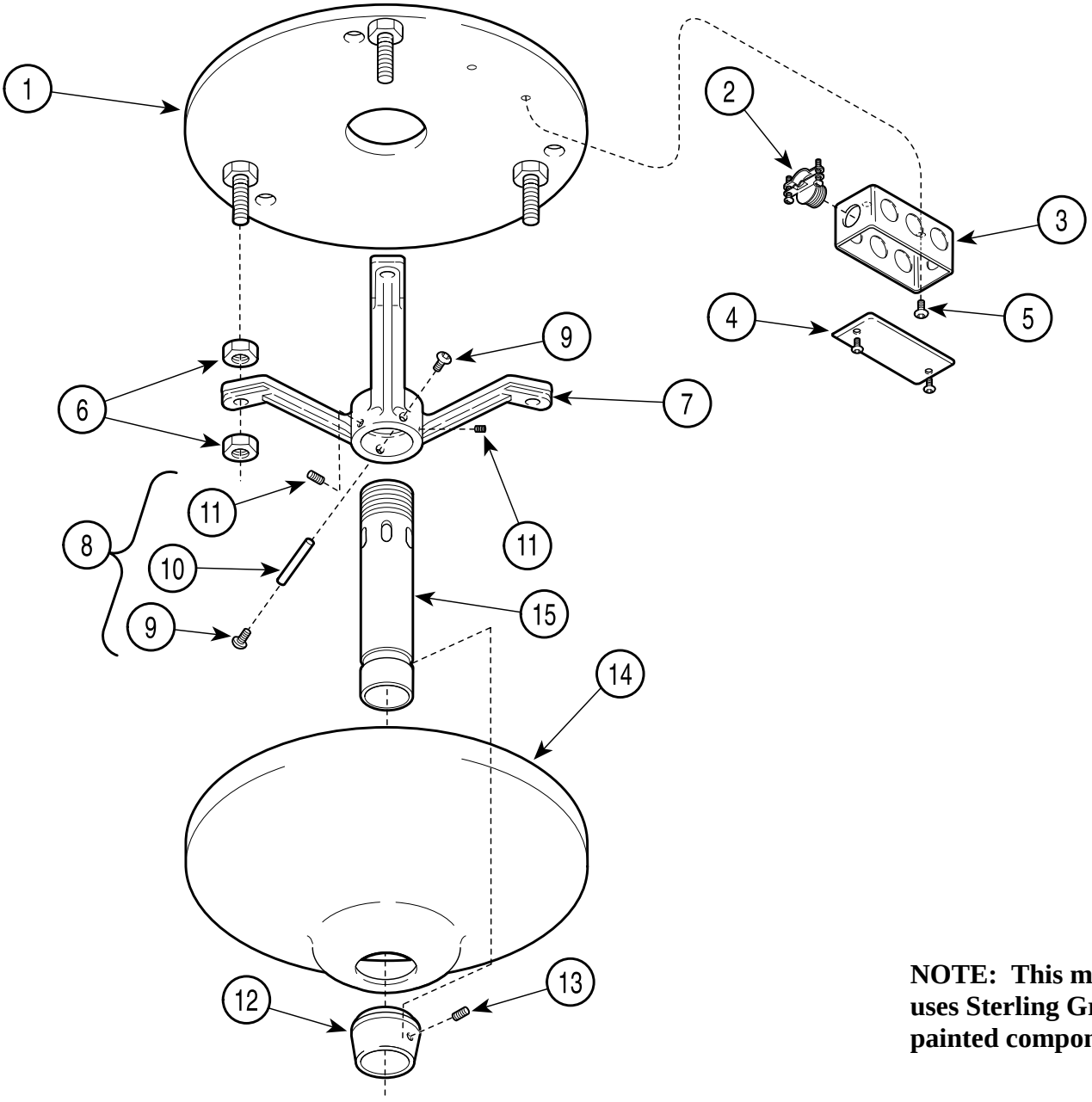
Ceiling Mounted Light Tripod Assembly 149918



NOTE: This model uses Sterling Grey painted components.

AF2024

Used on Units with "LL" Serial Number Prefix

Item	Part No.	Description	Qty.
	149918	Tripod Assembly (Includes Items 1 thru 15 [Specify Length of Tube Item 15])	1
1	• 149919	• Leveling Plate	1
2	• 102980	• Romex Connector	2
3	• 102958	• Electrical Junction Box	1
4	• 120789-1	• Receptacle Cover	1
5	• P15168	• Screw	2
6	• 119513	• Hex Nut	6
7	• 118049	• Tripod	1
8	• 96S203	• Hardware Kit (Includes Items 9 thru 13)	1
9	• • C5211	• • Screw	2
10	• • 114437	• • Locking Pin	1
11	• • 106753	• • Set Screw	3
12	• • 117948-1	• • Canopy Collar	1
13	• • 106011	• • Set Screw	1
14	• 118053	• Canopy	1
15		Supension Tube (Refer to "Ceiling Mounted Light Assembly 152567 Elsewhere)	1

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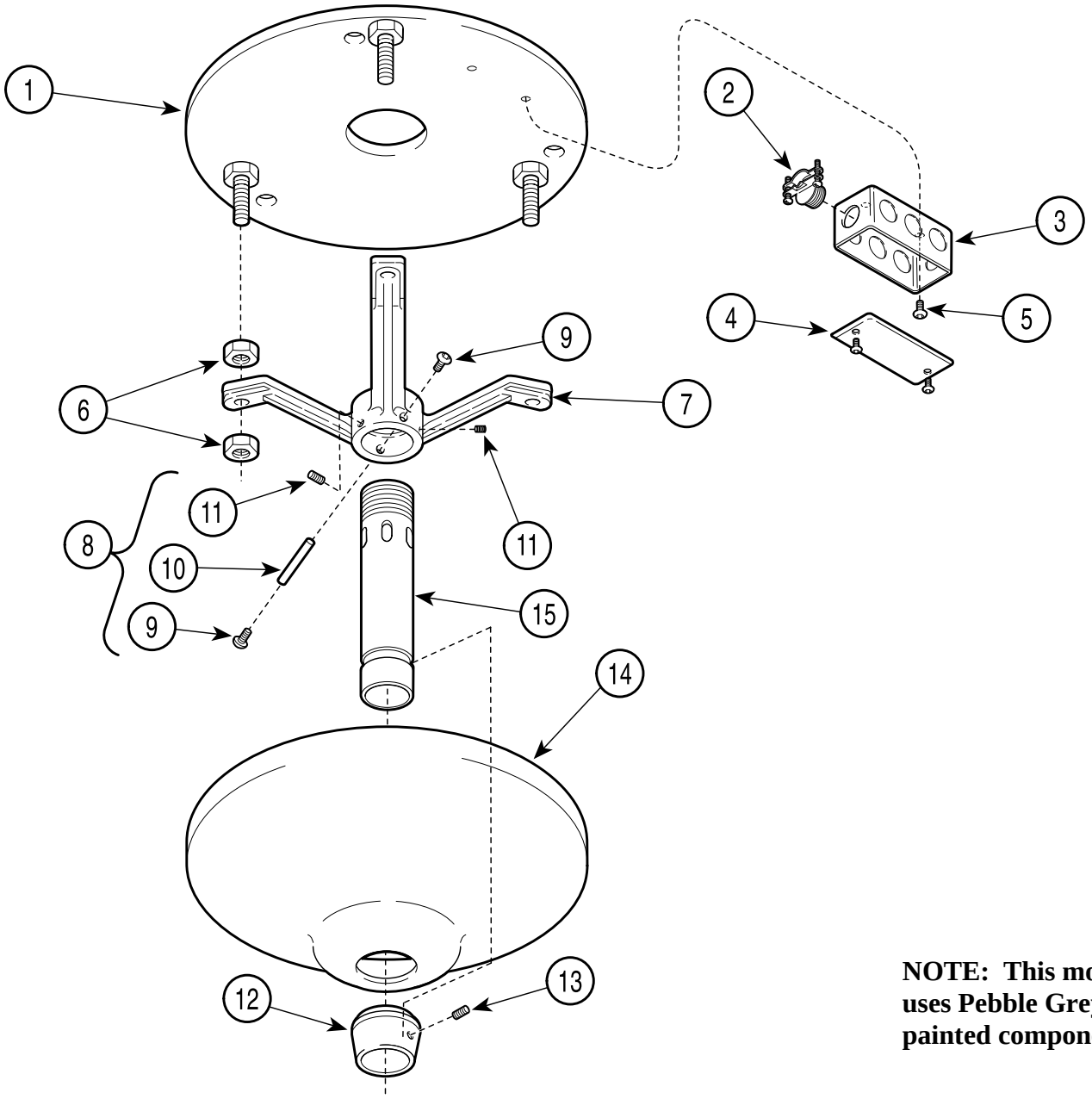
Ceiling Mounted Light Tripod Assembly 149918-01



NOTE: This model uses Pebble Grey painted components.

AF2024

Used on Units with "PH" Serial Number Prefix

Item	Part No.	Description	Qty.
	149918-01	Tripod Assembly (Includes Items 1 thru 15 [Specify Length of Tube Item 15])	1
1	• 149919	• Leveling Plate	1
2	• 102980	• Romex Connector	2
3	• 102958	• Electrical Junction Box	1
4	• 120789-50	• Receptacle Cover	1
5	• P15168	• Screw	2
6	• 119513	• Hex Nut	6
7	• 118049	• Tripod	1
8	• 96S203	• Hardware Kit (Includes Items 9 thru 13)	1
9	• • C5211	• • Screw	2
10	• • 114437	• • Locking Pin	1
11	• • 106753	• • Set Screw	3
12	• • 117948-50	• • Canopy Collar	1
13	• • 106011	• • Set Screw	1
14	• 118053	• Canopy	1
15		Supension Tube (Refer to "Ceiling Mounted Light Assembly 152567-01 Elsewhere)	1

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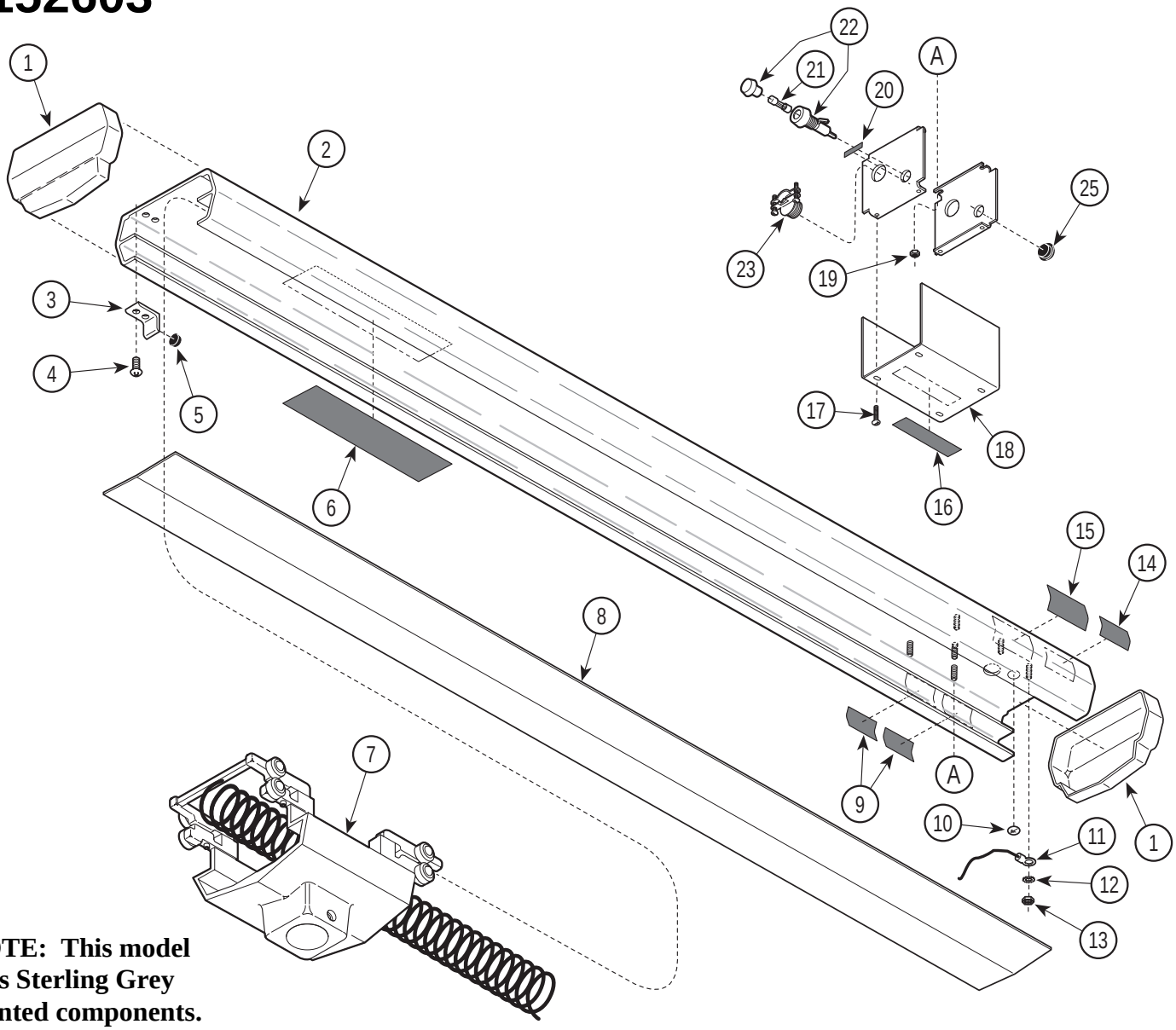
Track / Tolley Assembly 152603



NOTE: This model uses Sterling Grey painted components.

AF2032

Used on Units with "LL" Serial Number Prefix

Item	Part No.	Description	Qty.
	152603	120 VAC Track / Trolley Assembly (Includes Items 1 thru 25)	1
1	• 142623	• End Cap	2
2	• 121873-1	• Light Track	1
3	• 106957	• Bracket	2
4	• C4683	• Screw	4
5	• 106958	• Bumper	2
6	• TPW1417	• Instruction Label	1
7	• 152608	• Trolley Assembly (Refer To Trolley Assembly - 152608 Elsewhere)	1
8	• 121327-1	• Track Light Cover	1
9	•	• Agency Compliance Label	AR
10	• 112504	• Ground Identification Label	3
11	• 147232	• Wire Assembly	1
12	• P14718	• Washer	3
13	• P14743	• Nut	3
14	•	• Serial Number Label	1
15	• TP1376	• 120 VAC Rating Label	1
16	• 134555	• Caution Label	1
17	• 108548	• Screw	4
18	• 121866-1	• Enclosure Cover	1
19	• 122358	• Keps Hex Nut	4
20	• 121292	• Fuse Rating Label	1
21	• 111541	• 15 AMP Fuse	1
22	• 122541	• Fuse Holder (Includes Nuts)	1
23	• 102980	• Connector	2
24	• 121865-1	• Track Enclosure	1
25	• 120236	• Hole Plug	1
26	• TPW1392	• Light Pre-Installation Manual (not shown)	1
27	• 177404	• Tape (not shown)	4.8 ft.

Always Specify Model & Serial Number

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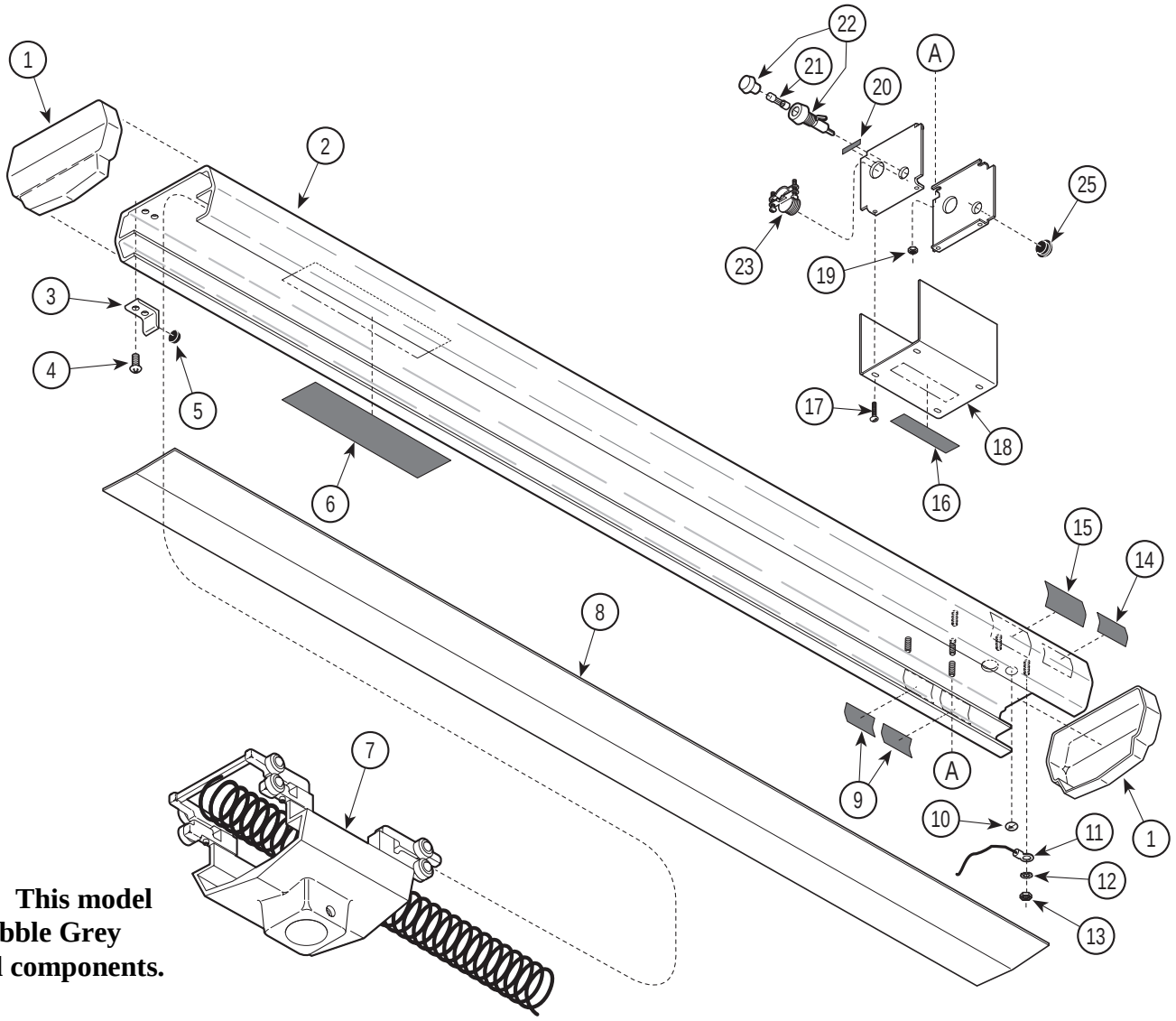
Track / Tolley Assembly 152603-01(120 VAC), 152609-01 (220 VAC)



NOTE: This model uses Pebble Grey painted components.

AF2032

Used on Units with "PH" Serial Number Prefix

Item	Part No.	Description	Qty.
	152603-01	120 VAC Track / Trolley Assembly (Includes Items 1 thru 25)	1
	152609-01	220 VAC Track / Trolley Assembly (Includes Items 1 thru 25)	1
1	• 142623	• End Cap	2
2	• 121873-50	• Light Track	1
3	• 106957	• Bracket	2
4	• C4683	• Screw	4
5	• 106958	• Bumper	2
6	• TPW1417	• Instruction Label	1
7	• 152608-01	• Trolley Assembly (Refer To Trolley Assembly - 152608-01 Elsewhere)	1
8	• 121327-50	• Track Light Cover	1
9	•	• Agency Compliance Label	AR
10	• 112504	• Ground Identification Label	3
11	• 147232	• Wire Assembly	1
12	• P14718	• Washer	3
13	• P14743	• Nut	3
14	•	• Serial Number Label	1
15	• TP1376	• 120 VAC Rating Label	1
	• TP1377	• 220 VAC Rating Label	1
16	• 134555	• Caution Label	1
17	• 108548	• Screw	4
18	• 121866-50	• Enclosure Cover	1
19	• 122358	• Keps Hex Nut	4
20	• 121292	• Fuse Rating Label (120 VAC Units)	1
	• TP1418	• Fuse Rating Label (220 VAC Units)	1
21	• 111541	• 15 AMP Fuse (120 VAC Units)	1
	• 119987	• 3 AMP Fuse (220 VAC Units)	1
22	• 122541	• Fuse Holder (Includes Nuts)	1
23	• 102980	• Connector	2
24	• 121865-50	• Track Enclosure	1
25	• 120236	• Hole Plug	1
26	• TPW1392	• Light Pre-Installation Manual (not shown)	1
27	• 177404	• Tape (not shown)	4.8 ft.

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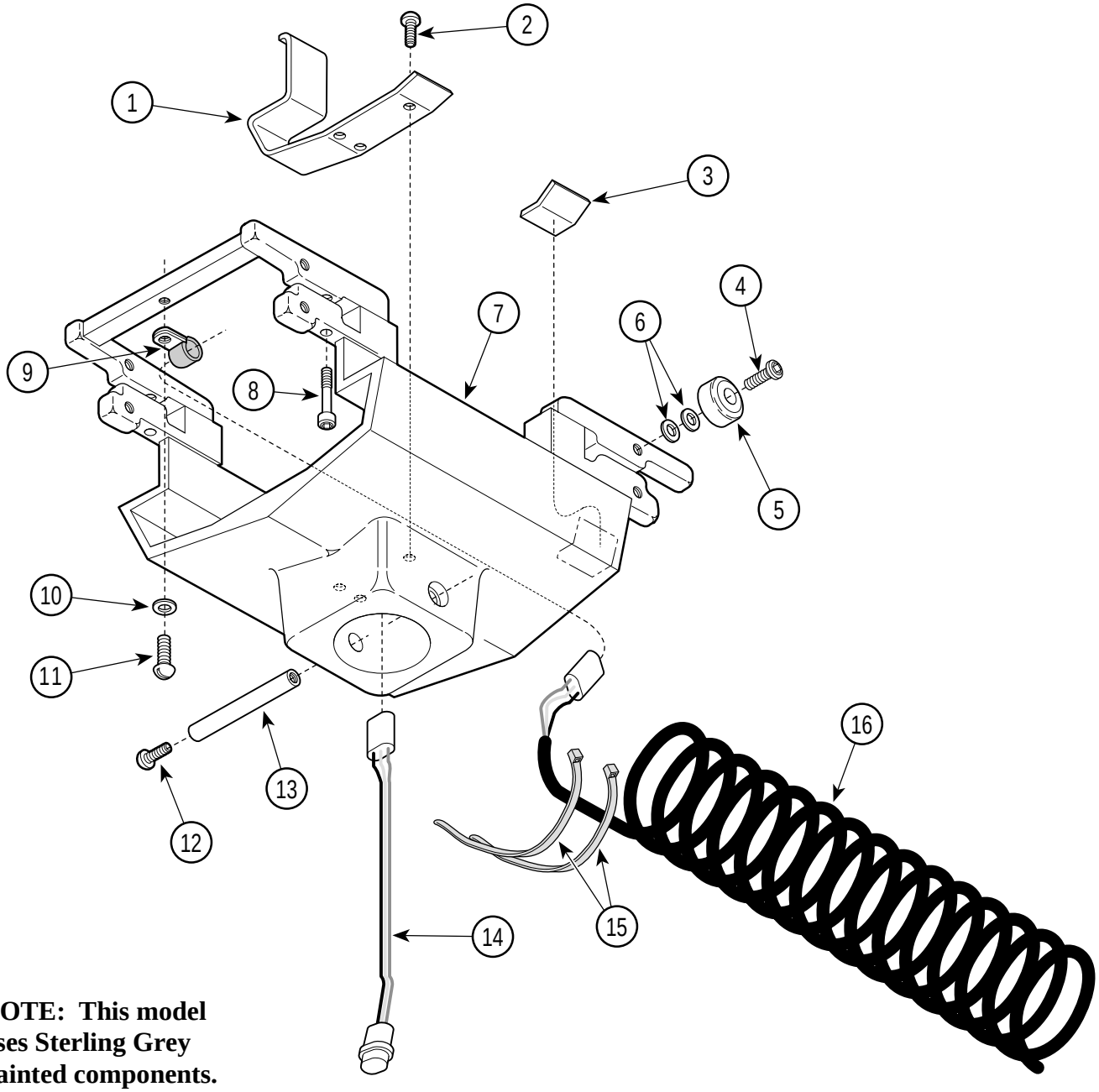
Tolley Assembly 152608



NOTE: This model uses Sterling Grey painted components.

AF2033

Used on Units with "LL" Serial Number Prefix

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
	152608	Trolley Assembly (Includes Items 1 thru 25)	1	8	• 106937	• Screw	4
1	• 107152	• Wire Cover	1	9	• 121877	• Cable Clamp	1
2	• 102162	• Screw	3	10	• P12575	• Washer	1
3	• P16614	• Felt Pad (Cut to [4] .75" Length)	1	11	• P17928-2	• Screw	1
4	• 116598	• Screw (Apply Loctite # 186504)	8	12	• C5211	• Screw	2
5	• 122072	• Ball Bearing (Use Kit 152733)	8	13	• 114437	• Lock Pin	1
6	• 104573	• Nylon Washer	16	14	• 152607	• Harness Assembly	1
7	• 149286	• Painted Track Trolley	1	15	• 115896	• Cable Tie	2
				16	• 152606	• Coil Cord Assembly	1

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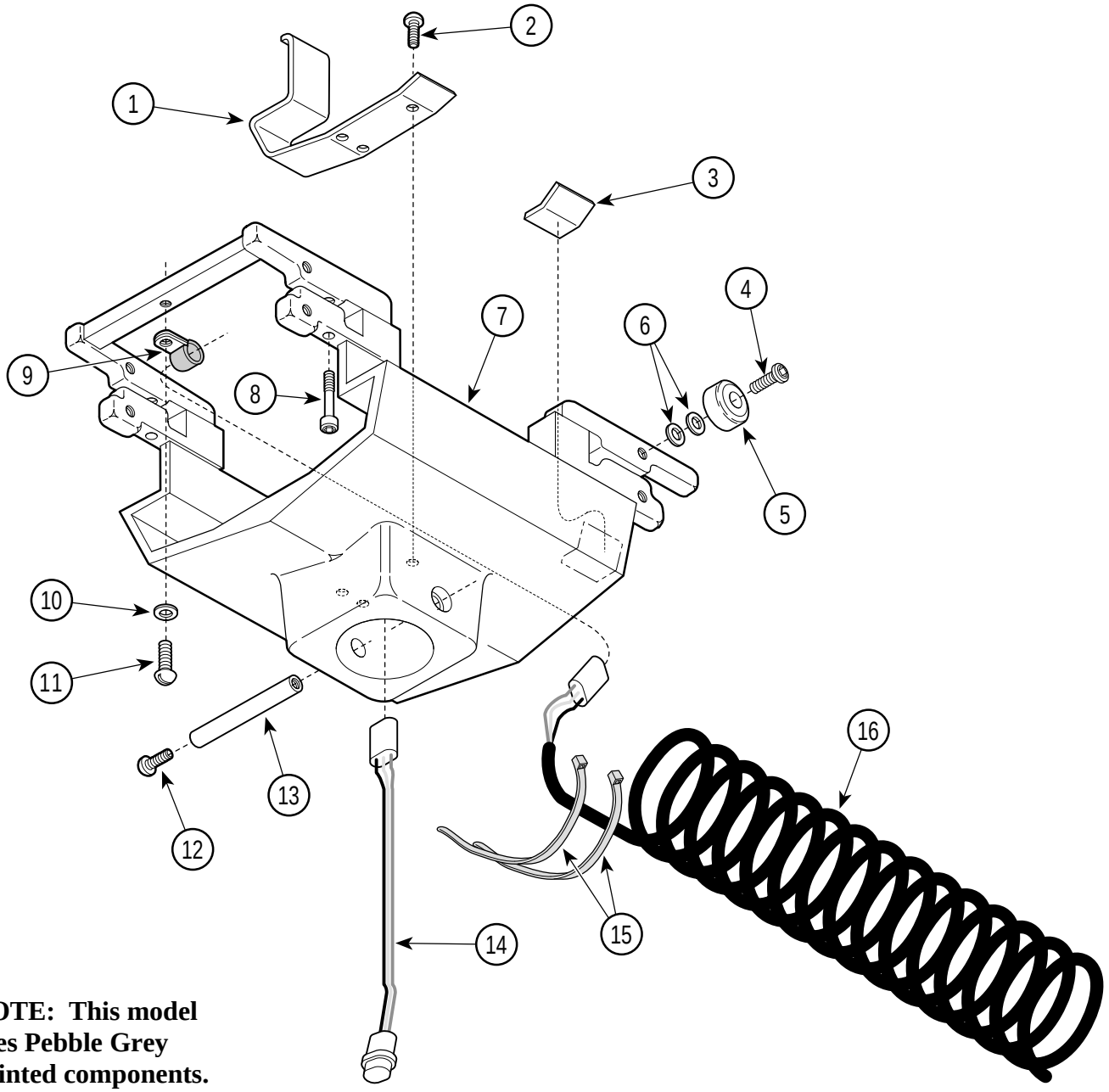
Tolley Assembly 152608-01



NOTE: This model uses Pebble Grey painted components.

AF2033

Used on Units with "PH" Serial Number Prefix

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
	152608-01	Trolley Assembly (Includes Items 1 thru 25)	1	8	• 106937	• Screw	4
1	• 107152	• Wire Cover	1	9	• 121877	• Cable Clamp	1
2	• 102162	• Screw	3	10	• P12575	• Washer	1
3	• P16614	• Felt Pad (Cut to [4] .75" Length)	1	11	• P17928-2	• Screw	1
4	• 116598	• Screw (Apply Loctite # 186504)	8	12	• C5211	• Screw	2
5	• 122072	• Ball Bearing (Use Kit 152733)	8	13	• 114437	• Lock Pin	1
6	• 104573	• Nylon Washer	16	14	• 152607	• Harness Assembly	1
7	• 149286-50	• Painted Track Trolley	1	15	• 115896	• Cable Tie	2
				16	• 152606	• Coil Cord Assembly	1

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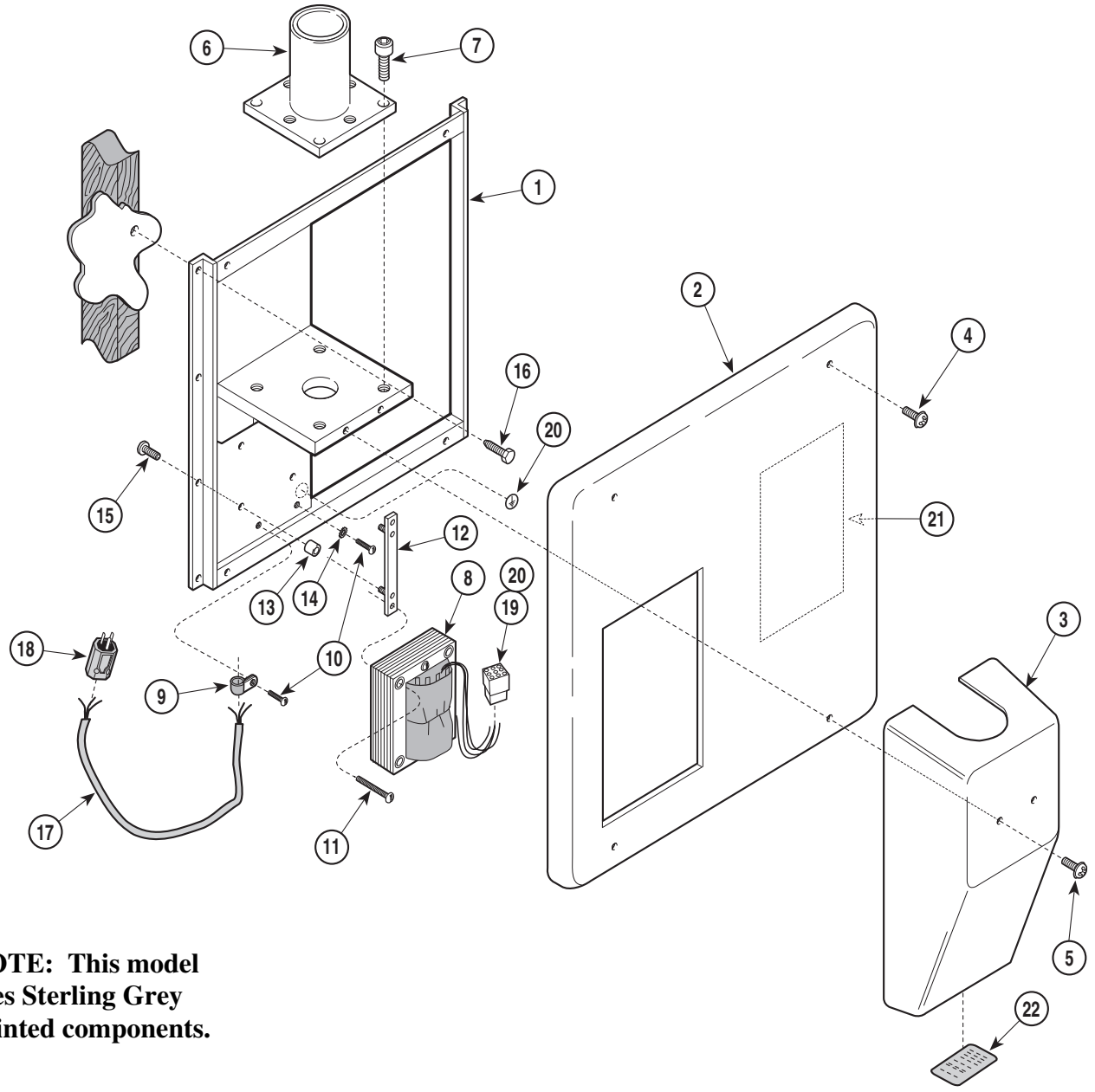
Wall Mount Assembly 152544



NOTE: This model uses Sterling Grey painted components.

AF2022

Used on Units with "LL" Serial Number Prefix

Item	Part No.	Description	Qty.
	152544	120 VAC Wall Mount Assembly (Includes Items 1 thru 21)	1
1	• 152539-1	• Wall Mount Light Frame	1
2	• 121801	• Wall Mount Cover	1
3	• 121802	• Post Mount Cover	1
4	• 121981	• Screw	4
5	• 121127-1	• Screw	2
6	• 152870	• Post Mount Assembly	1
7	• 111911	• Screw	8
8	• 015-1400-00	• 120 VAC Light Transformer Assembly	1
9	• 121655	• Cable Clamp	1
10	• 120199	• Screw	2
11	• P2446	• Screw	4
12	• 152490	• Strip Assembly	2
13	• 116420	• Vibration Isolator	4
14	• P14718	• External Tooth Washer	1
15	• 120385	• Screw	4
16	• 101317	• Lag Screw	8
17	• 149418	• 120 VAC Power Cord Assembly	1
18	• 110994	• 120 VAC Power Cord Plug	1
19	• 102014	• 9 Pin Receptacle (Refer to "Wiring Diagram" Elsewhere)	1
20	• 112504	• Ground Identification Label	1
21	• TP1395	• 120 VAC Wiring Diagram Label	1
22	• TP1376	• UL/CE Rating Plate-120V Units)	1
	• TP1377	• UL/CE Rating Plate-220V Units)	1
23	• 115896	• Cable Tie (Not Shown)	1

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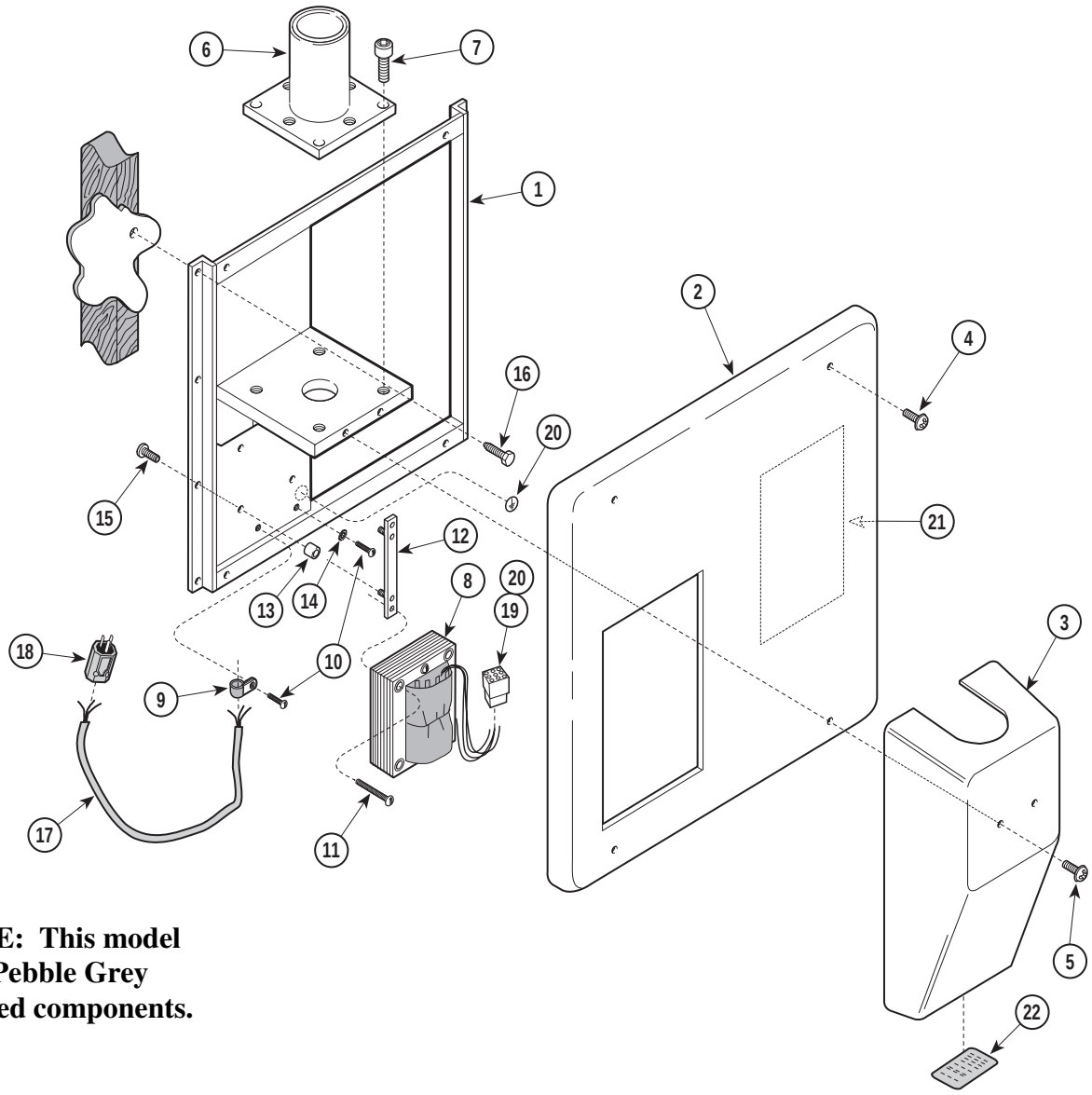
Wall Mount Assembly 152544-01(120 VAC) & 152549-01 (220 VAC)



NOTE: This model uses Pebble Grey painted components.

AF2022

Used on Units with "PH" Serial Number Prefix

Item	Part No.	Description	Qty.
	152544-01	120 VAC Wall Mount Assembly (Includes Items 1 thru 21)	1
	152549-01	220 VAC Wall Mount Assembly (Includes Items 1 thru 21)	1
1	• 152539-50	• Wall Mount Light Frame	1
2	• 121801-01	• Wall Mount Cover	1
3	• 121802	• Post Mount Cover	1
4	• 121981-50	• Screw	4
5	• 121127--50	• Screw	2
6	• 152870-01	• Post Mount Assembly	1
7	• 111911	• Screw	8
8	• 015-1400-00	• Light Transformer Assembly (120 VAC)	1
	• 152559	• Light Transformer Assembly (220 VAC)	1
9	• 121655	• Cable Clamp	1
10	• 120199	• Screw	2
11	• P2446	• Screw	4
12	• 152490	• Strip Assembly	2
13	• 116420	• Vibration Isolator	4
14	• P14718	• External Tooth Washer	1
15	• 120385	• Screw	4
16	• 101317	• Lag Screw	8
17	• 149418-01	• Power Cord Assembly (120 VAC)	1
	• 149433	• Power Cord Assembly (220 VAC)	1
18	• 110994	• Power Cord Plug (120 VAC)	1
	• 120374	• Power Cord Plug (220 VAC)	1
19	• 102014	• 9 Pin Receptacle (Refer to "Wiring Diagram" Elsewhere)	1
20	• 112504	• Ground Identification Label	1
21	• TP1395	• Wiring Diagram Label (120 VAC)	1
	• TP1396	• Wiring Diagram Label (220 VAC)	1
22	• TP1376	• UL/CE Rating Plate (120 VAC)	1
	• TP1377	• UL/CE Rating Plate (220 VAC)	1
23	• 115896	• Cable Tie (Not Shown)	1

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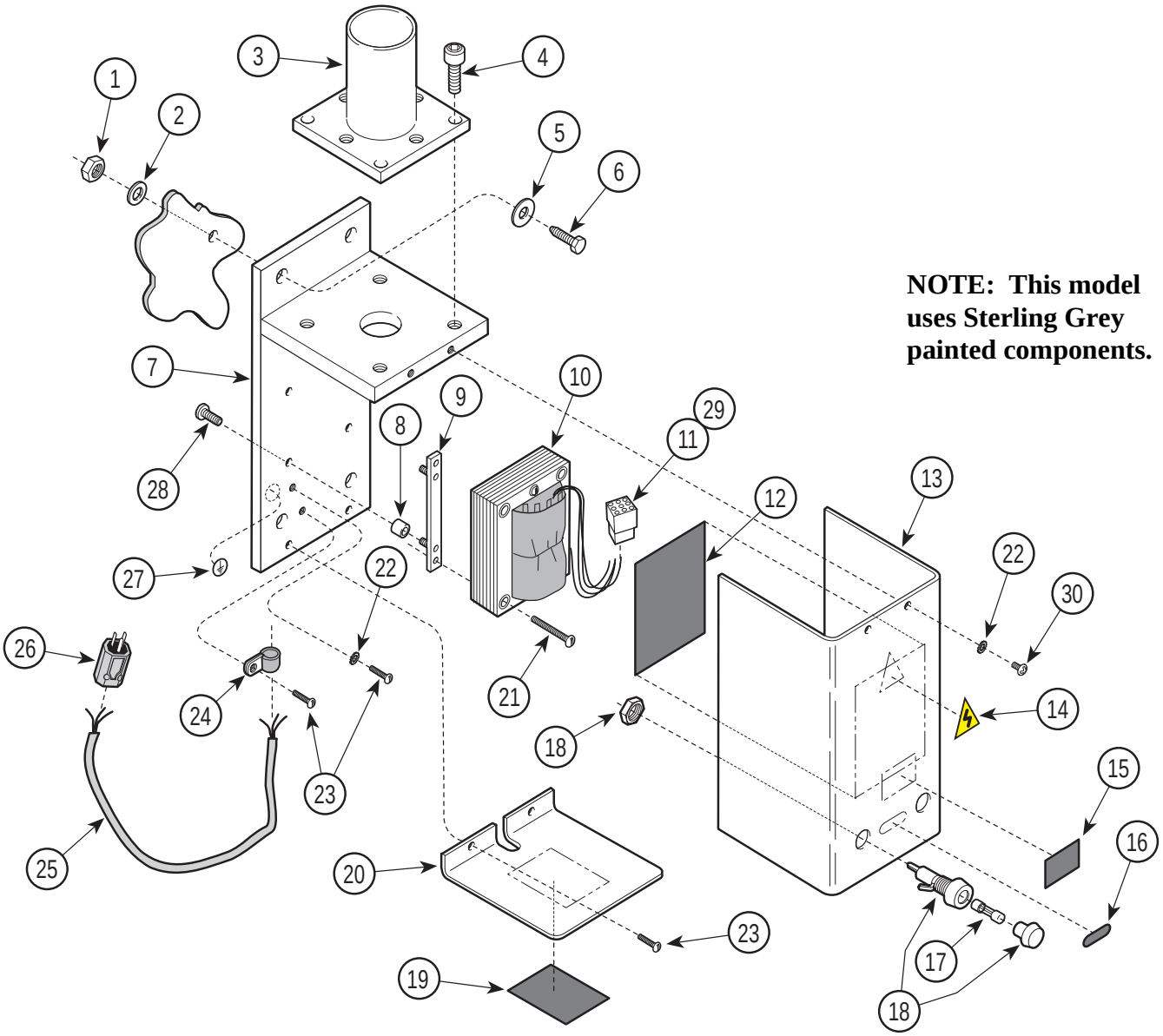
Cabinet Mount Assembly 152683



NOTE: This model uses Sterling Grey painted components.

AF2031

Used on Units with "LL" Serial Number Prefix

Item	Part No.	Description	Qty.
	152683	120 VAC Cabinet Mount Assembly (Includes Items 1 thru 29)	1
1	• C1269	• Hex Nut	4
2	• C3724	• Washer	4
3	• 152870	• Post Mount Assembly	1
4	• 111911	• Screw	8
5	• 117649	• Washer	4
6	• C3283	• Screw	4
7	• 152681-1	• Cabinet Mount Light Frame	1
8	• 116420	• Vibration Isolator	4
9	• 152490	• Strip Assembly	2
10	• 015-1400-00	• 120 VAC Light Transformer Assembly	1
11	• 102014	• 9 Circuit Connector	1
12	• TP1395	• 120 VAC Wiring Diagram Label	1
13	• 122016-1	• Cabinet Transformer Cover	1
14	• TPW1459	• High Voltage Label	1
15	• TPW1464	• Warning Label	1
16	• TPW1465	• 15 AMP Fuse Label	1
17	• 111541	• 15 AMP Fuse	1
18	• 122541	• Fuse Holder (Includes Nut)	2
19	• TP1376	• Model "L" 102 VAC Rating Label	1
20	• 122540-1	• Fixed Panel	1
21	• P2446	• Screw	4
22	• P14718	• Lockwasher	2
23	• 121337-2	• Screw	4
24	• 121655	• Cable Clamp	1
25	• 153109	• Cord Assembly	1
26	• 110994	• Power Plug	1
27	• 112504	• Ground Identification Label	1
28	• 122018	• Screw	1
29	• 115896	• Cable Tie (Not Shown)	1
30	• 105480	• Screw	2

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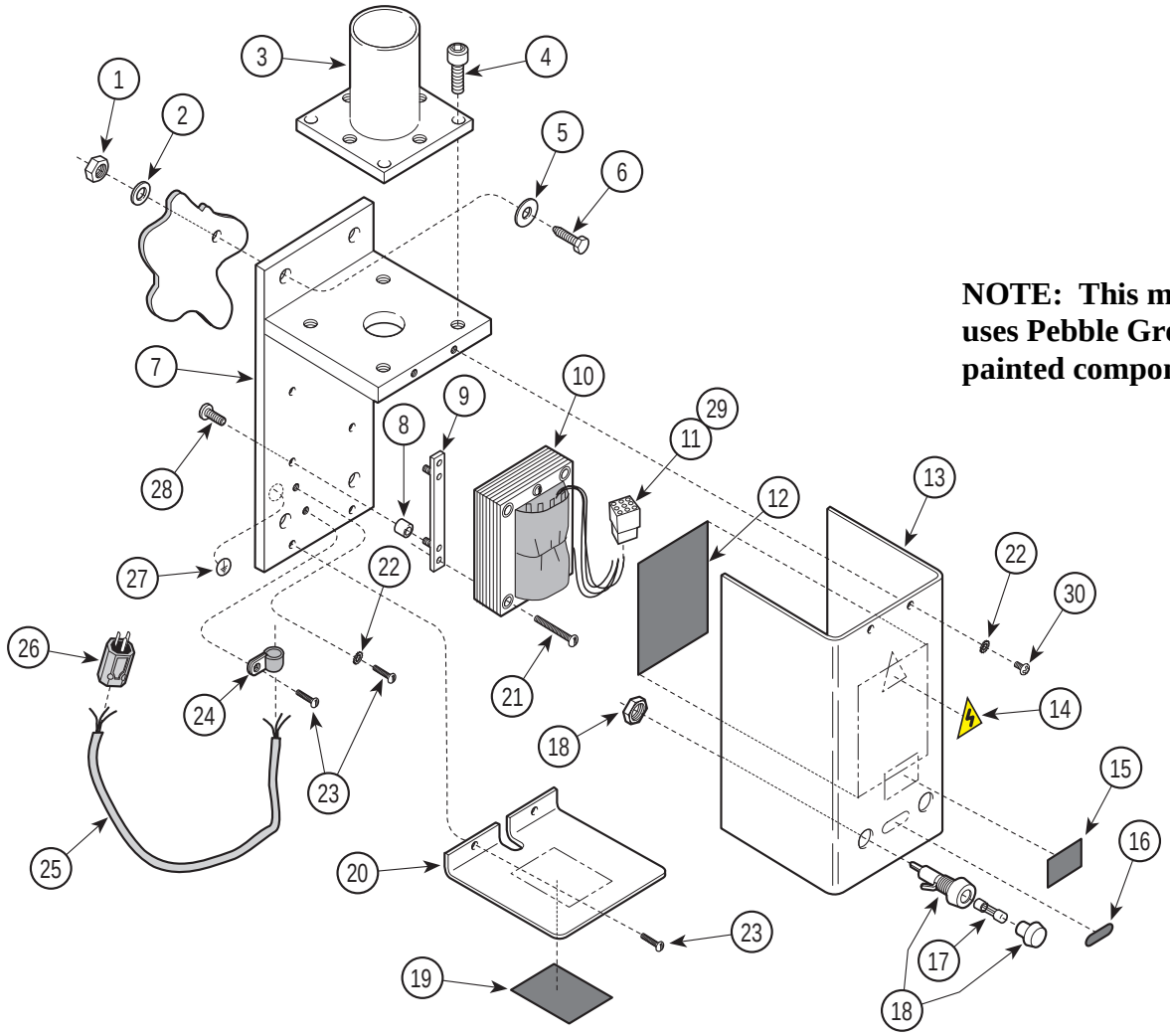
Cabinet Mount Assembly 152682-01 (220 VAC) & 152683-01 (120 VAC)



AF2031

Used on Units with "PH" Serial Number Prefix

Item	Part No.	Description	Qty.
	152682-01	220 VAC Cabinet Mount Assembly (Includes Items 1 thru 29)	1
	152683-01	120 VAC Cabinet Mount Assembly (Includes Items 1 thru 29)	1
1	• C1269	• Hex Nut	4
2	• C3724	• Washer	4
3	• 152870-01	• Post Mount Assembly	1
4	• 111911	• Screw	8
5	• 117649	• Washer	4
6	• C3283	• Screw	4
7	• 152681-50	• Cabinet Mount Light Frame	1
8	• 116420	• Vibration Isolator	4
9	• 152490	• Strip Assembly	2
10	• 015-1400-00	• Light Transformer Assembly (120 VAC)	1
	• 152550	• Light Transformer Assembly (220 VAC)	1
11	• 102014	• 9 Circuit Connector	1
12	• TP1395	• 120 VAC Wiring Diagram Label	1
13	• 122016-50	• Cabinet Transformer Cover	1
14	• TPW1459	• High Voltage Label	1
15	• TPW1464	• Warning Label	1
16	• TPW1465	• 15 AMP Fuse Label	1
17	• 111541	• 15 AMP Fuse	1
18	• 122541	• Fuse Holder (Includes Nut)	2
19	• TP1376	• Model "L" 120 VAC Rating Label	1
	• TP1377	• Model "L" 220 VAC Rating Label	1
20	• 122540-50	• Fixed Panel	1
21	• P2446	• Screw	4
22	• P14718	• Lockwasher	2
23	• 121337-2	• Screw	4
24	• 121655	• Cable Clamp (120 VAC)	1
	• 121654	• Cable Clamp (220 VAC)	1
25	• 153109	• Cord Assembly (120 VAC)	1
	• 153098	• Cord Assembly (220 VAC)	1
26	• 110994	• Power Plug (120 VAC)	1
	• 120374	• Power Plug (220 VAC)	1
27	• 112504	• Ground Identification Label	1
28	• 122018	• Screw	1
29	• 115896	• Cable Tie (Not Shown)	1
30	• 105480	• Screw	2
31	• 153110	• 120 VAC Fuse Cable (Not Shown)	1
	• 153099	• 220 VAC Fuse Cable (Not Shown)	1

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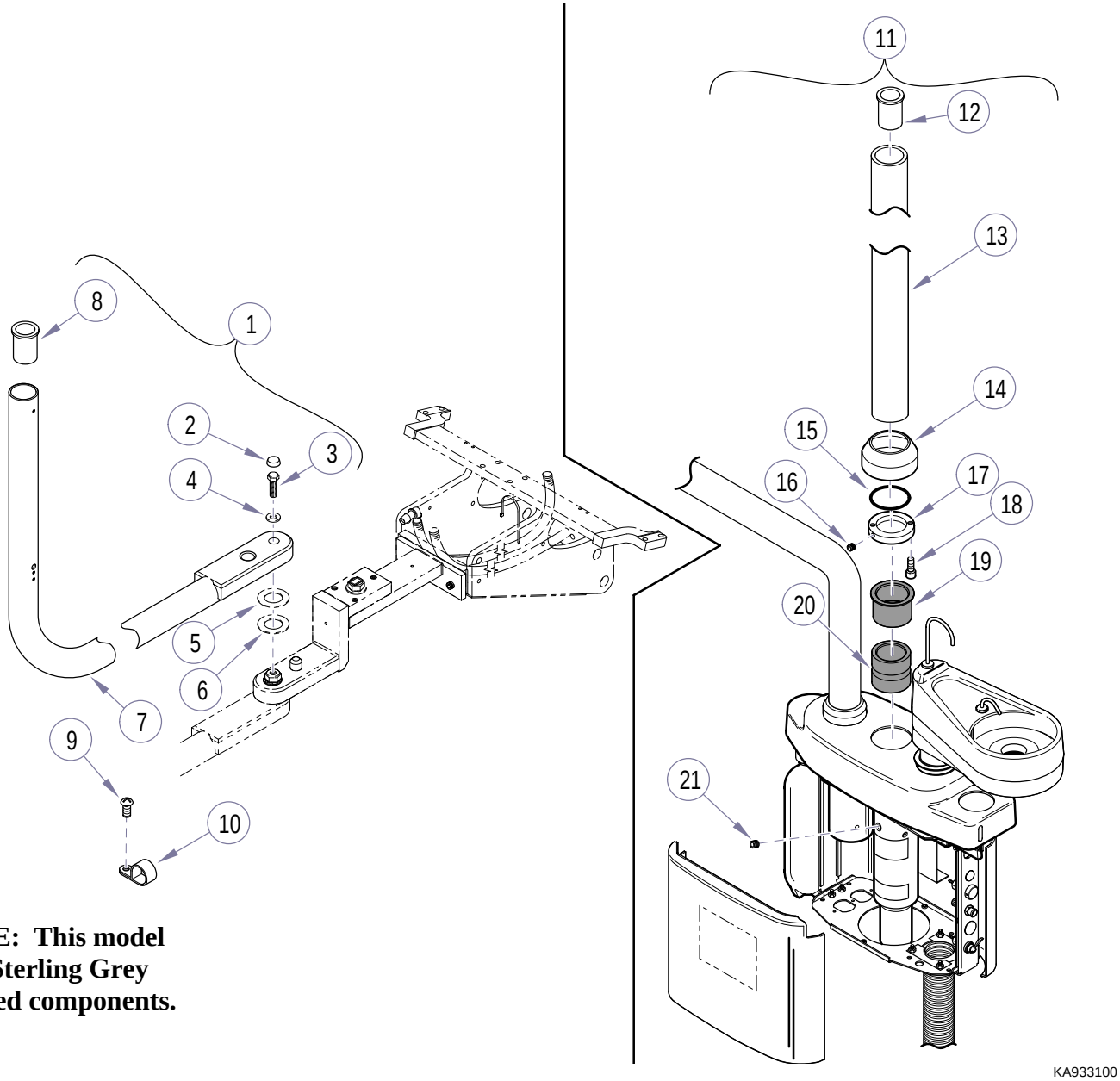
Light Arm Mounting Components



NOTE: This model uses Sterling Grey painted components.

KA933100

Used on Units with "LL" Serial Number Prefix

Item	Part No.	Description	Qty.
1	153122	Light Arm Assembly (For LR Mounted Arm)	1
2	• 122595	• Cover, Light Bolt	1
3	• 122551	• Screw	1
4	• 155269	• Washer	1
5	• 122555	• Washer, Steel	1
6	• 122556	• Washer, Delrin	1
7	• 153100-1	• Light Arm	1
8	• 121796	• Light Bearing	1
9	• 105480	• Screw	1
10	• 121655	• Cable Clamp	1
11	152919	Light Arm Assembly (For Console Mounted Arm w/Model L Light	1
	153040	Light Arm Assembly (For Console Mounted Arm w/Universal Light or Competitor 's Light	1
12	• 121796	• Light Bearing (Used On 152919)	1
	121049-2	Light Bearing (Used On 153040)	1
13	• 121797-1	• Post, Arm (Used On 152919)	1
	122389-1	Post, Arm (Used On 153040)	1
14	• 122338-1	• Trim Ring	1
15	• 122344	• O-Ring	1
16	• 122161	• Set Screw	2
17	• 122337-2	• Arm Pivot Collar	1
18	• 120652	• Screw	2
19	• 122336	• Pivot Bearing Upper	1
20	• 122339	• Pivot Bearing Lower	1
21	• 120913	• Set Screw	2

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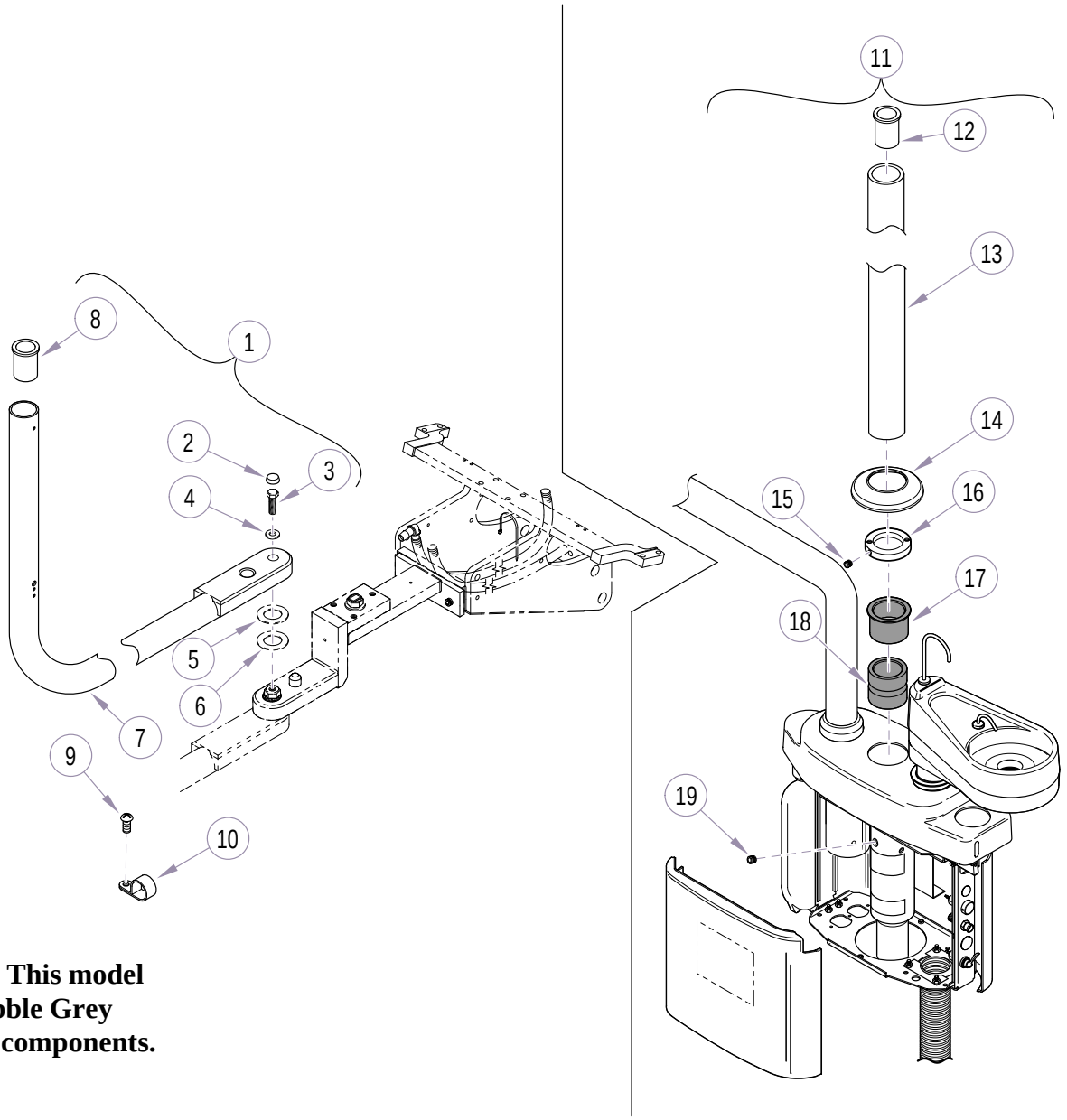
Light Arm Mounting Components



KA933101i

NOTE: This model uses Pebble Grey painted components.

Used on Units with "PH" Serial Number Prefix

Item	Part No.	Description	Qty.
1	153122-01	Light Arm Assembly (For LR Mounted Arm)	1
2	• 122595	• Cover, Light Bolt	1
3	• 122551	• Screw	1
4	• 155269	• Washer	1
5	• 122555	• Washer, Steel	1
6	• 122556	• Washer, Delrin	1
7	• 153100-50	• Light Arm	1
8	• 121796	• Light Bearing	1
9	• 105480	• Screw	1
10	• 121655	• Cable Clamp	1
11	152919-01	Light Arm Assembly (For Console Mounted Arm w/Model L Light	1
	153040-01	Light Arm Assembly (For Console Mounted Arm w/Universal Light or Competitor 's Light	1
12	• 121796	• Light Bearing (Used On 152919-01)	1
	121049-2	Light Bearing (Used On 153040)	1
13	• 121797-50	• Post, Arm (Used On 152919-01)	1
	122389-1	Post, Arm (Used On 153040-01)	1
14	• 053-1221-00	• Trim Ring	1
15	• 122161	• Set Screw	2
16	• 122337-2	• Arm Pivot Collar	1
17	• 122336	• Pivot Bearing Upper	1
18	• 122339	• Pivot Bearing Lower	1
19	• 120913	• Set Screw	2

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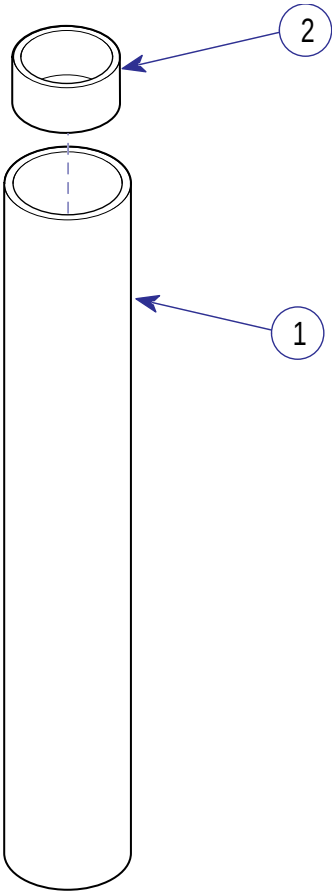
Light Mounting Post Kit 48.0 in. (121.9 cm)



NOTE: This model uses Sterling Grey painted components.

KA939900

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
	002-0633-00	Light Mounting Post Kit, 48 in. (Includes items 1 & 2)		1	• 121776-1	• Mounting Post	1
				2	• 121796	• Bearing	1

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FAX ORDERING FORM

(SERVICE PARTS ONLY)

NOTES:

- **ALL BLOCKED AREAS MUST BE COMPLETED.**
- **USE FOR NON-WARRANTY FAX ORDERS ONLY. WARRANTY ORDERS MUST BE TELEPHONED IN (1-800-MIDMARK).**

ATTENTION: SERVICE DEPARTMENT FAX#: 877-249-1793

ACCT #: _____ **P.O. #:** _____ **DATE:** _____

NAME: _____ **SHIP TO:** _____

ADDRESS: _____

CITY, ST.: _____

CONTACT: _____

PHONE: _____

☐ **NON-EMERGENCY ORDER - TO SHIP WITHIN 72 HOURS IF PART(S) IN STOCK.**

☐ **EMERGENCY ORDER - TO SHIP WITHIN 24 HOURS IF PART(S) IN STOCK (IF ORDER IS RECEIVED BEFORE 1:30 P.M. E.S.T).**

SEND NOTIFICATION IF PARTS ARE NOT AVAILABLE TO SHIP WITHIN 24 HOURS VIA E-MAIL OR FAX TO: _____

METHOD OF SHIPMENT **OTHER** _____

UPS	FED EX
☐ NEXT DAY A.M.	☐ NEXT DAY A.M.
☐ NEXT DAY P.M.	☐ NEXT DAY P.M.
☐ 2ND DAY	☐ 2ND DAY
☐ GROUND	☐ ECONOMY

QTY.	PART #	DESCRIPTION (SPECIFY COLOR OF ITEM IF APPLICABLE)	COLOR CODE	PRICE/PER

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